

Figure 1: Known Steps in the Rev/RRE Pathway

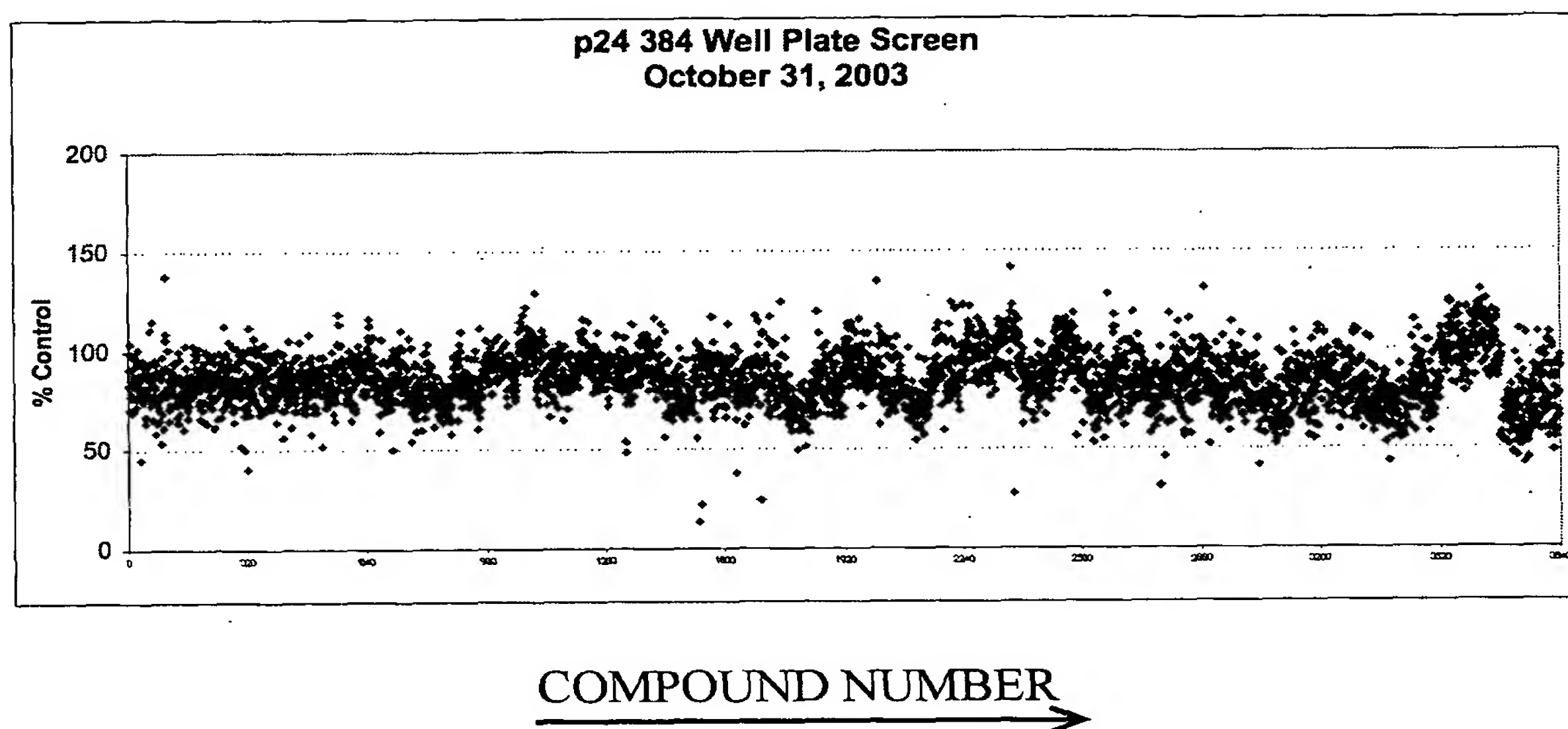
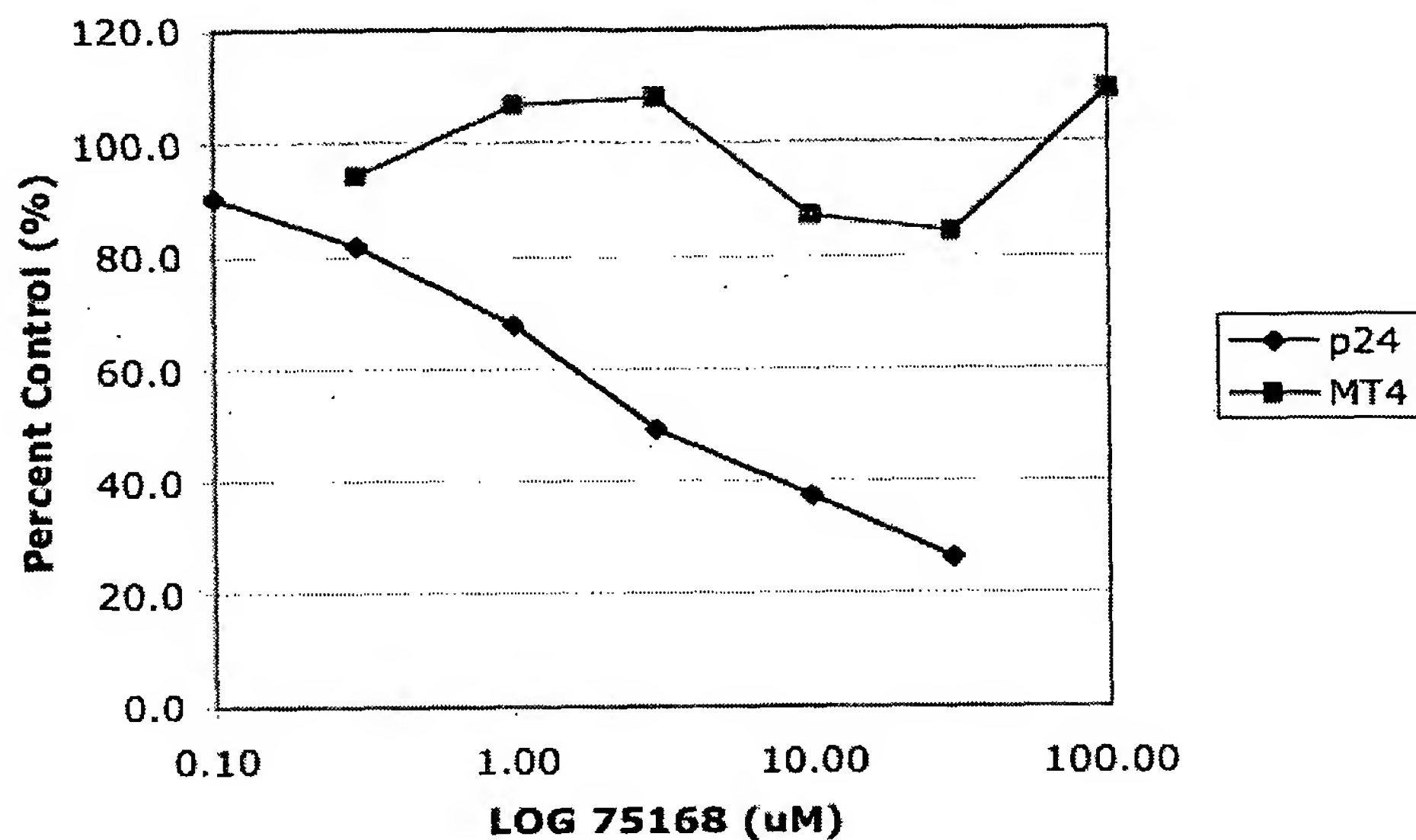


Figure 2 Screening of approximately 4000 compounds out of 40,000 total screened (9 other similar graphs not shown). Compounds that gave an inhibition of HIV particle formation below 50% were chosen for further study.

3A Dose Response (p24) and Toxicity (MT4) Assays Compound 75168



3B Dose Response (p24) and Toxicity (MT4) Assays Compound 89246

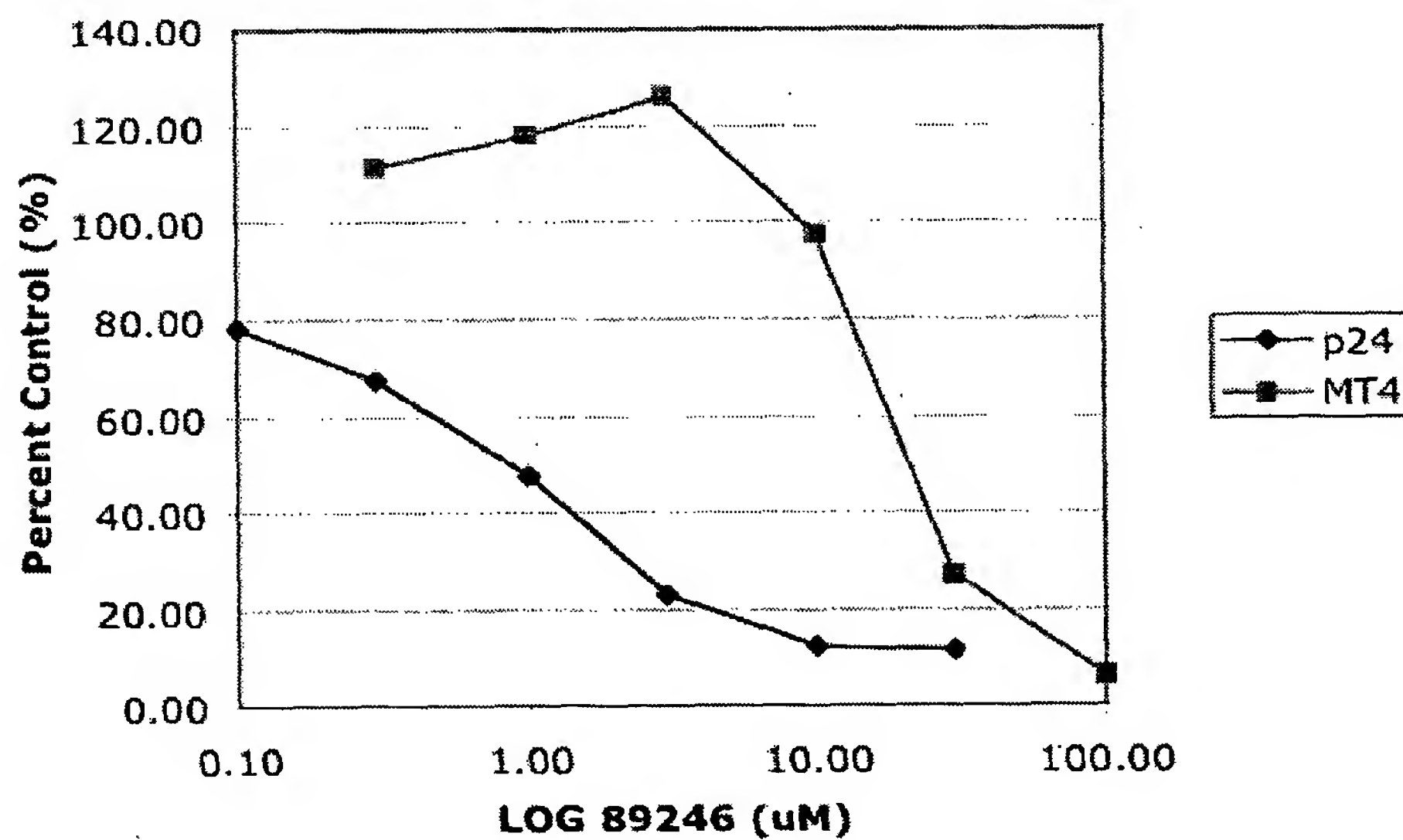
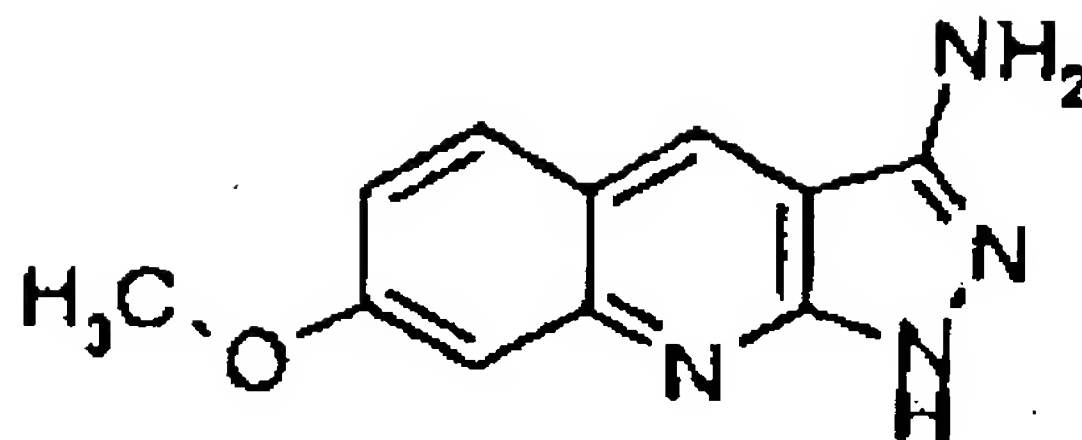


Figure 3: Six point dose response assay in 5BD.1 cells and toxicity assay in MT4 cells.

This is the type of data used to calculate the IC_{50} and TC_{50} of each compound.

Figure 4

4A

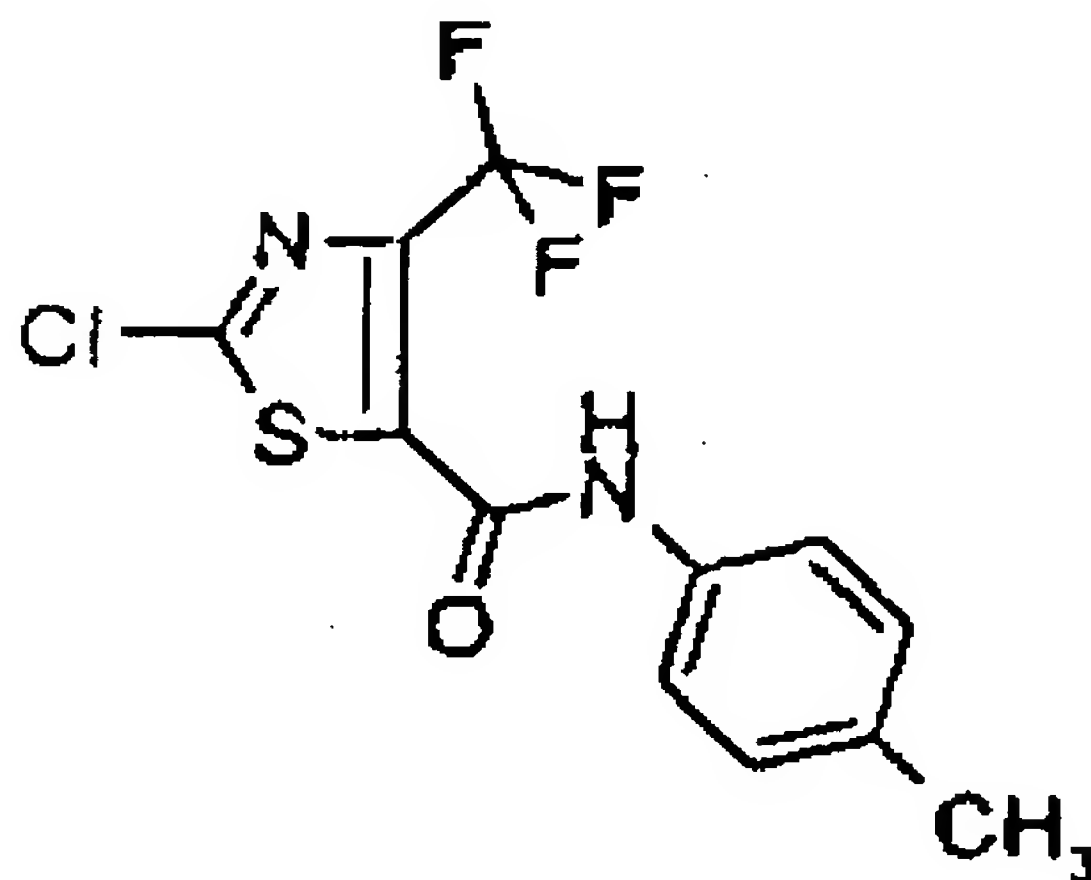


Code Name: **89246**

Specs Name: AG-690/40701421

Chemical Name: 7-methoxy-1H-pyrazolo[3,4-b]quinolin-3-ylamine,

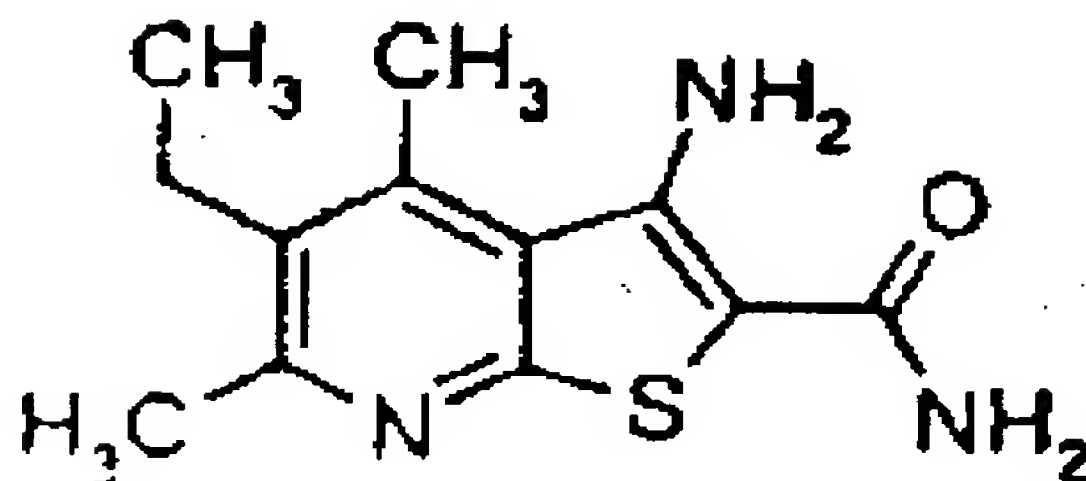
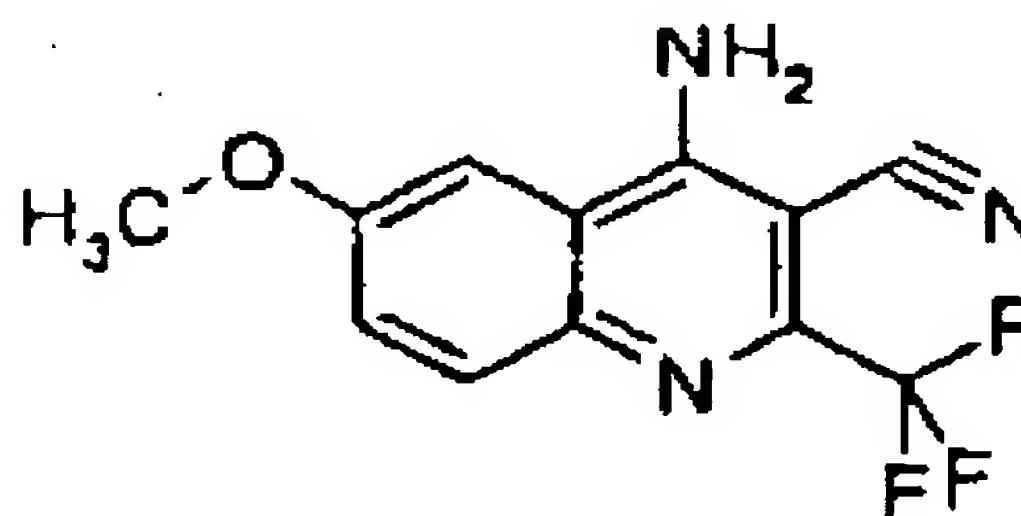
4B

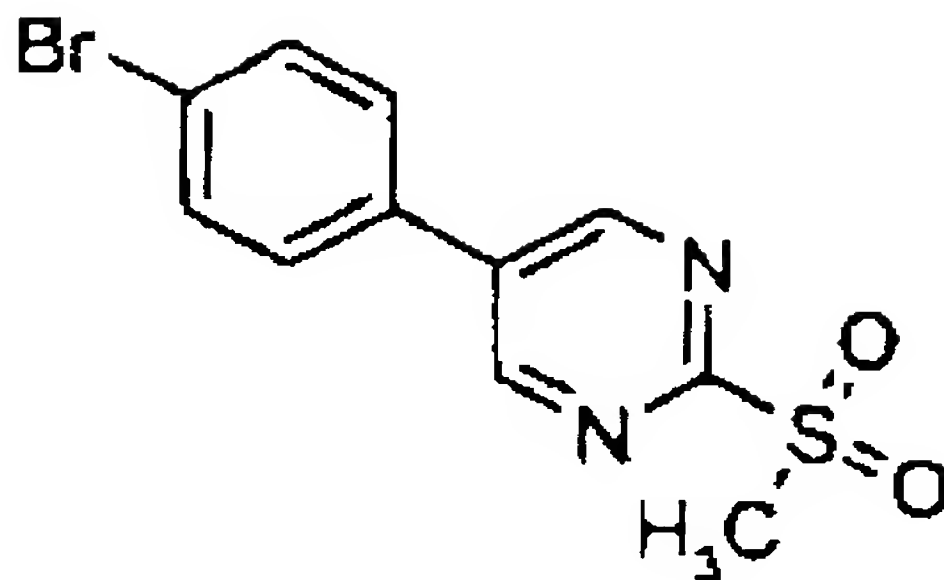
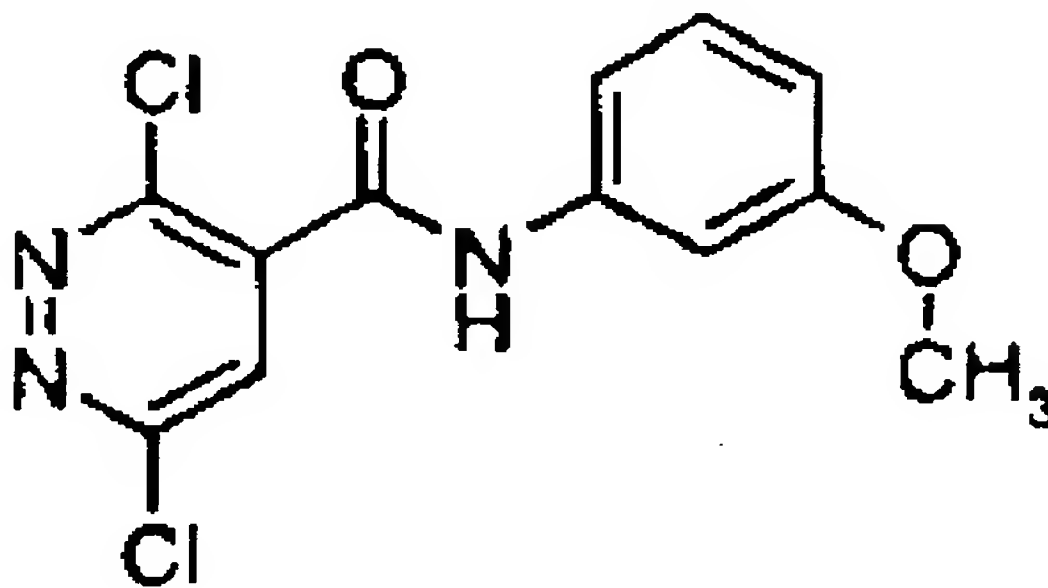


Code Name: **91161**

Specs Name: AP-501/40888738

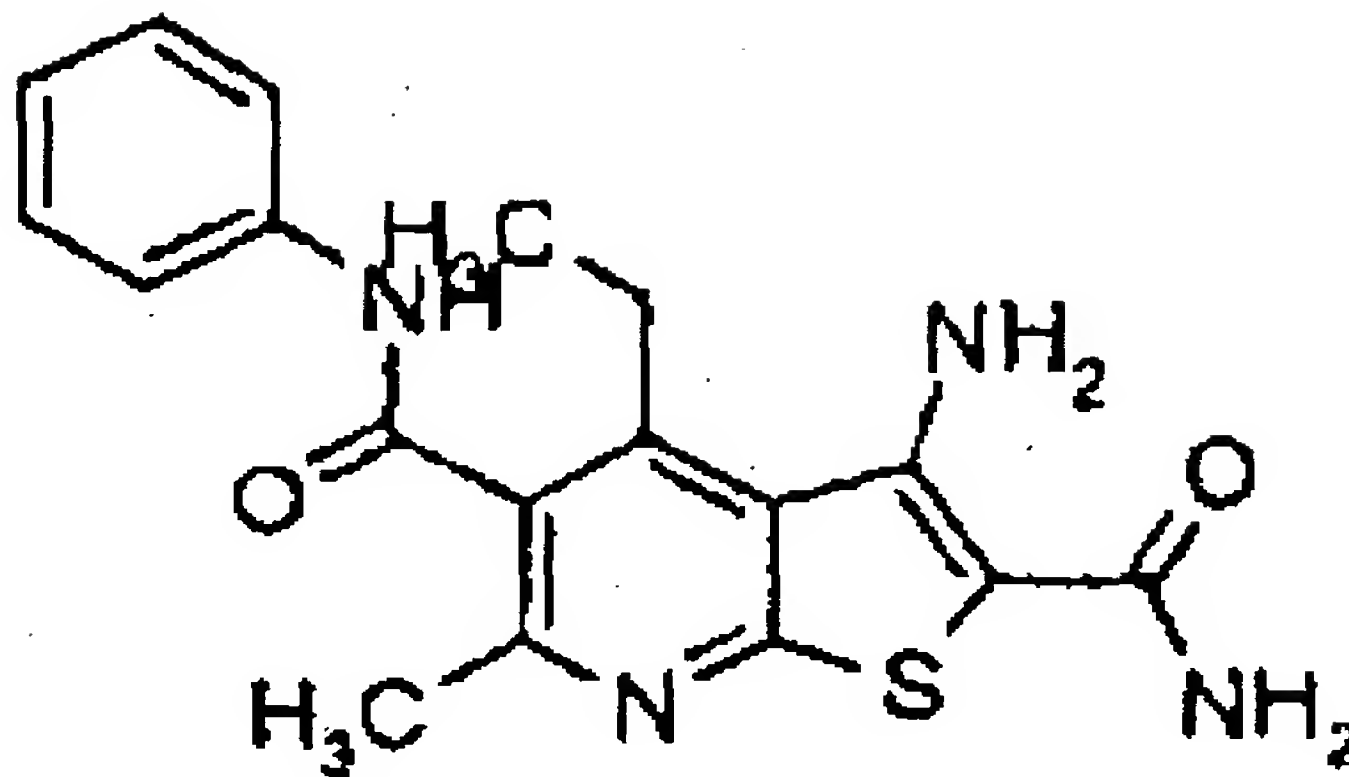
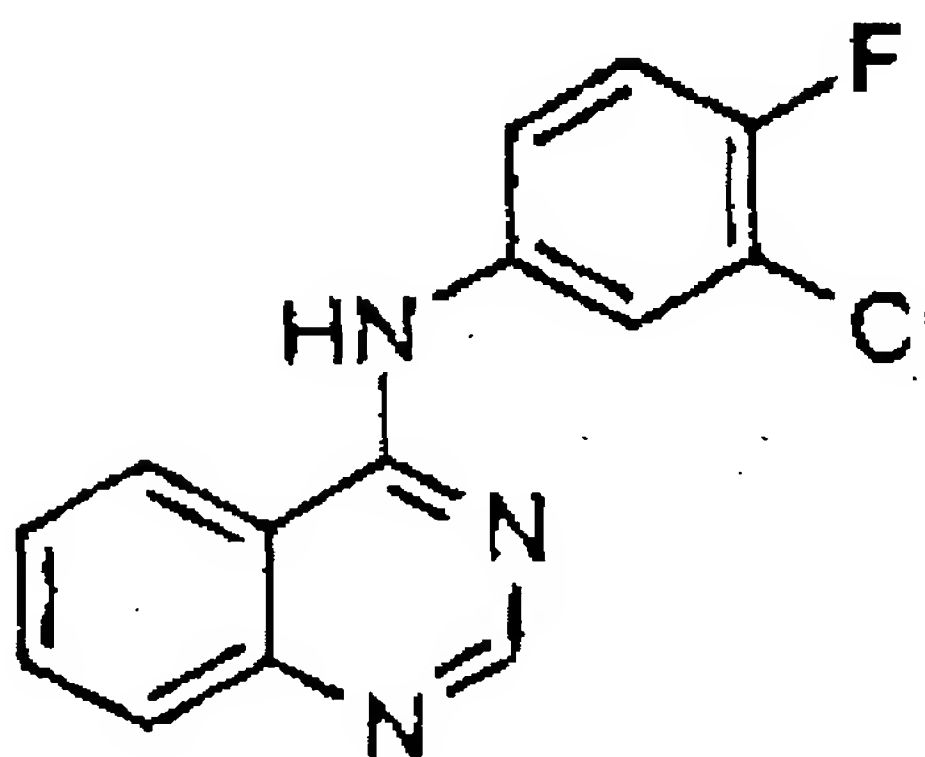
Chemical Name: 2-chloro-N-(4-methylphenyl)-4-(trifluoromethyl)-1,3-thazole-5-carboxamide,

4C**Code Name: 103833****Specs Name:** AE-848/34435011**Chemical Name:** 3-amino-5-ethyl-4,6-dimethylthieno[2,3-b]pyridine-2-carboxamide,**4D****Code Name: 104366****Specs Name:** AG-687/25019010**Chemical Name:** 4-amino-6-methoxy-2-(trifluoromethyl)-3-quinolinecarbonitrile,

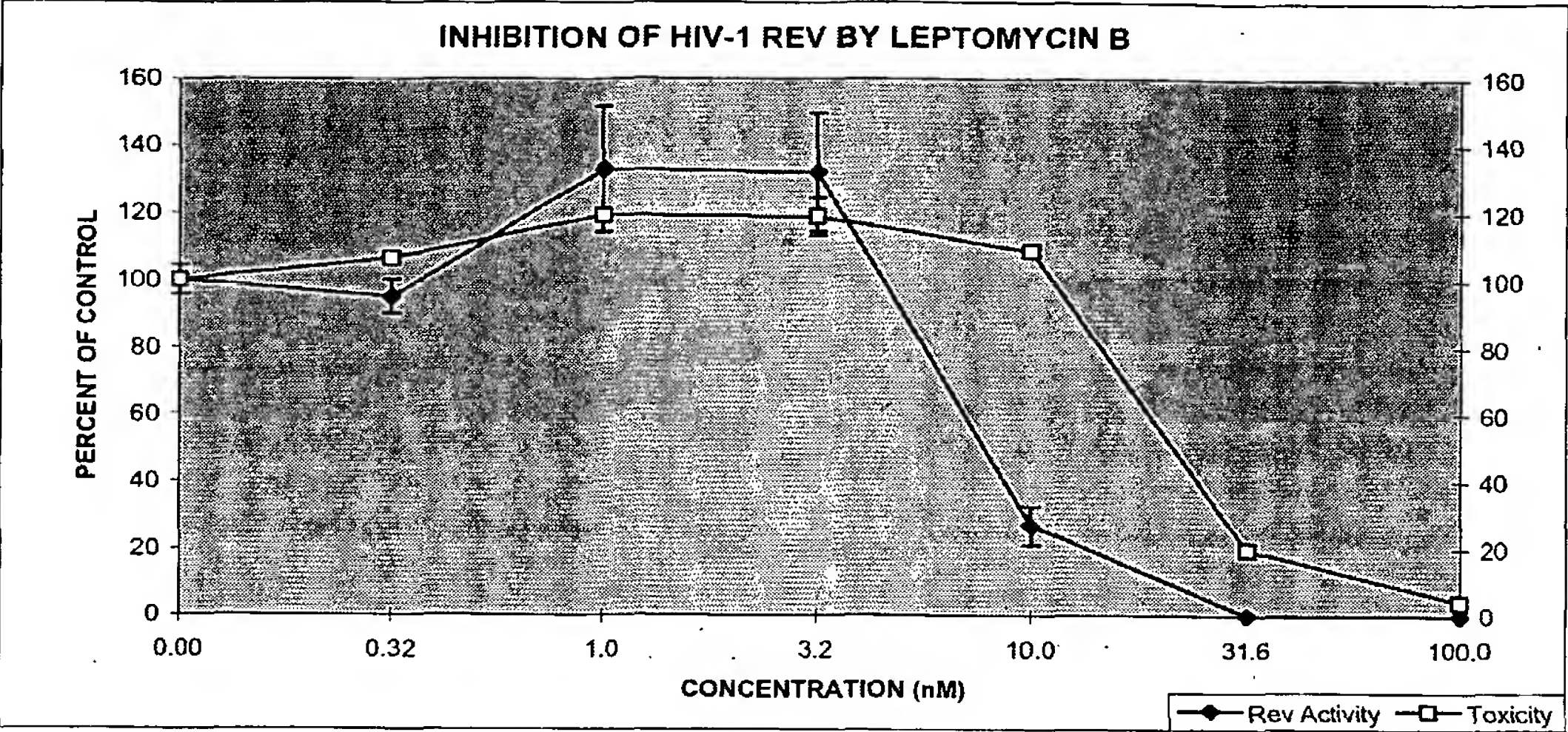
4E**Code Name:** 107129**Specs Name:** AC-907/25005415**Chemical Name:** -(4-bromophenyl)-2-(methylsulfonyl)pyrimidine**4F****Code Name:** 107740**Specs Name:** AF-399/40653810**Chemical Name:** 3,6-dichloro-N-(3-methoxyphenyl)-4-pyridazinecarboxamide,

4G

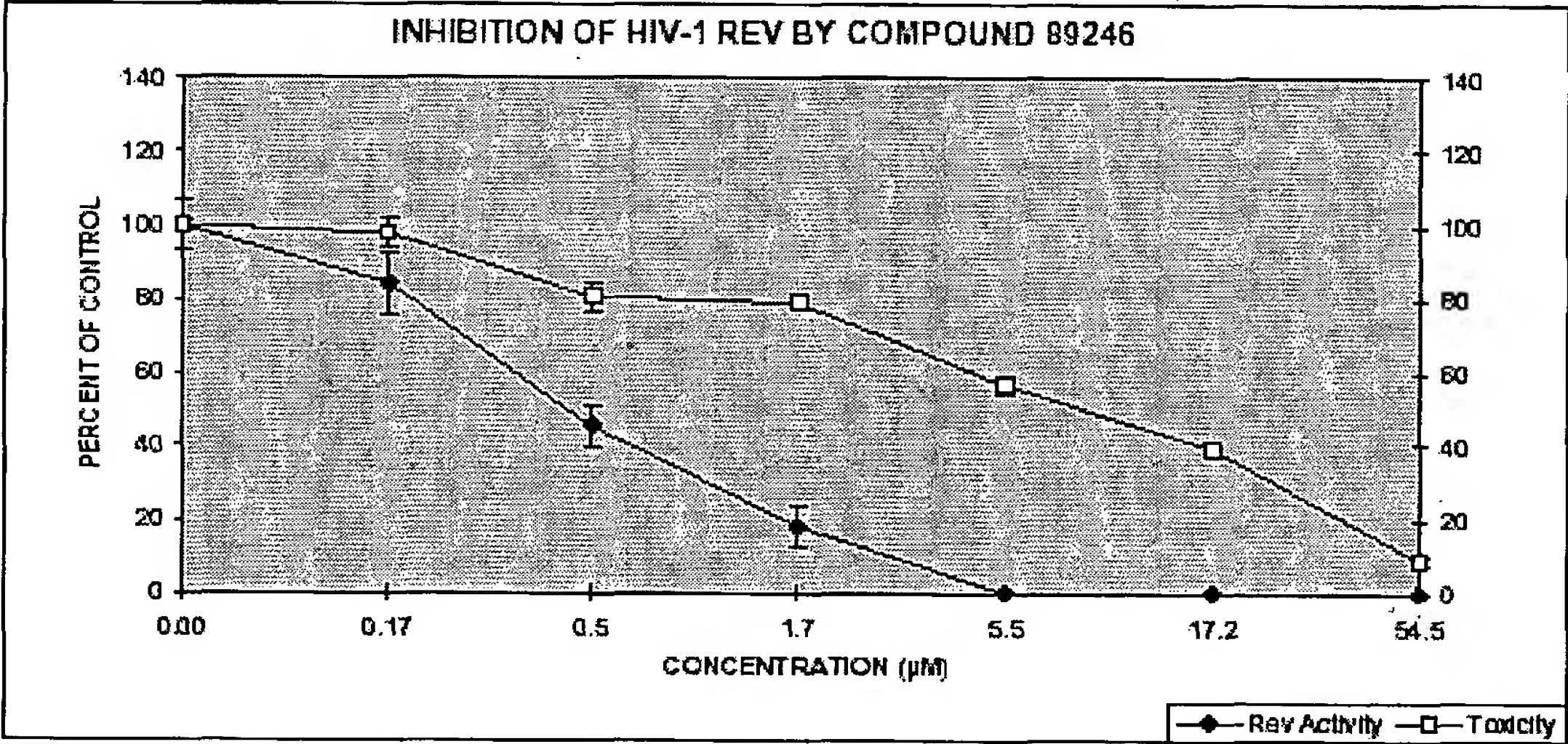
and

**Code Name: 75168****Specs Name:** AE-848/34435026**Chemical Name:** 3-amino-4-ethyl-6-methyl-N-phenylthieno[2,3-b]pyridine-2,5-dicarboxamide,**4H****Code Name: 109020****Specs Name:** AP-906/41641102**Chemical Name:** N-(3-chloro-4-fluorophenyl)-N-(4-quinazolinyl)amine

5A



5B



5C

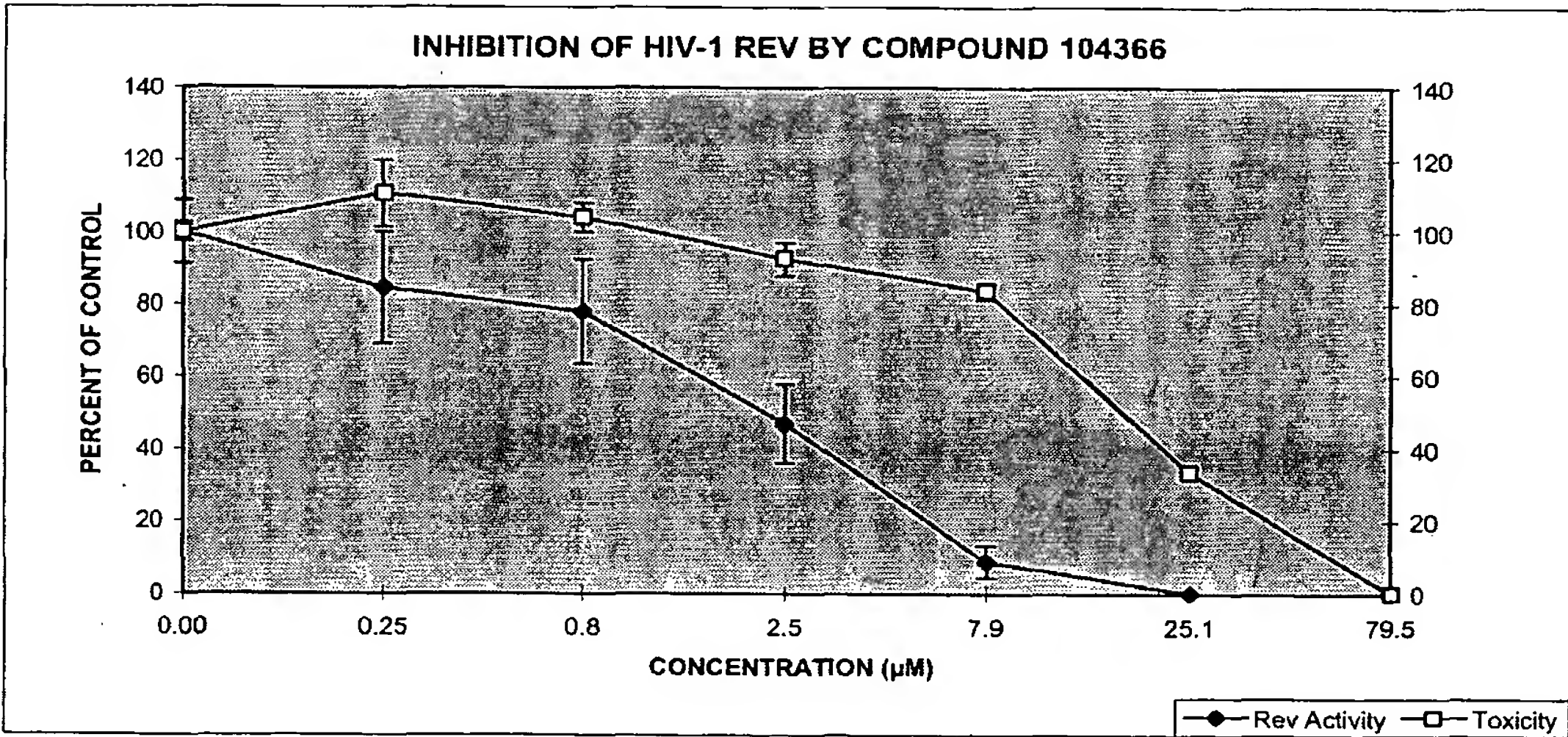
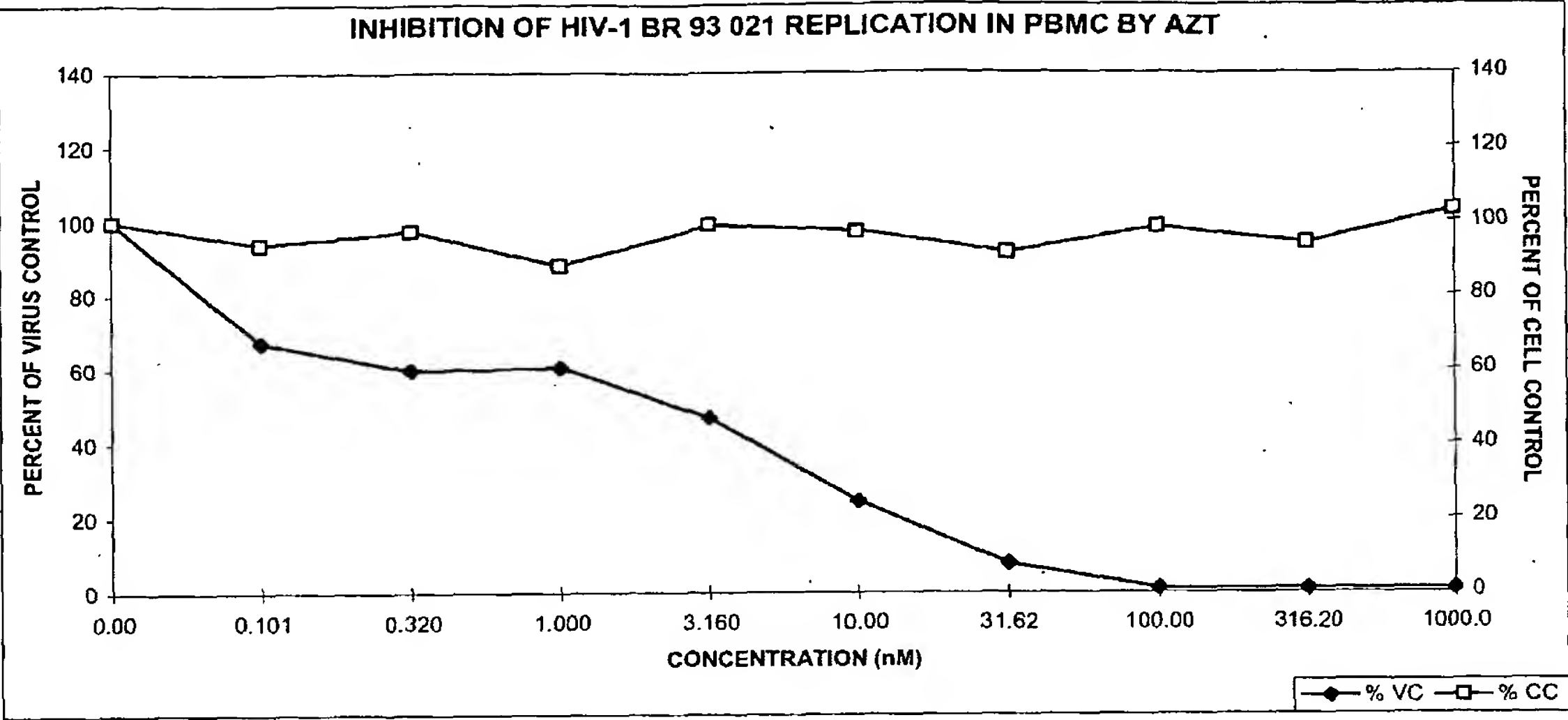
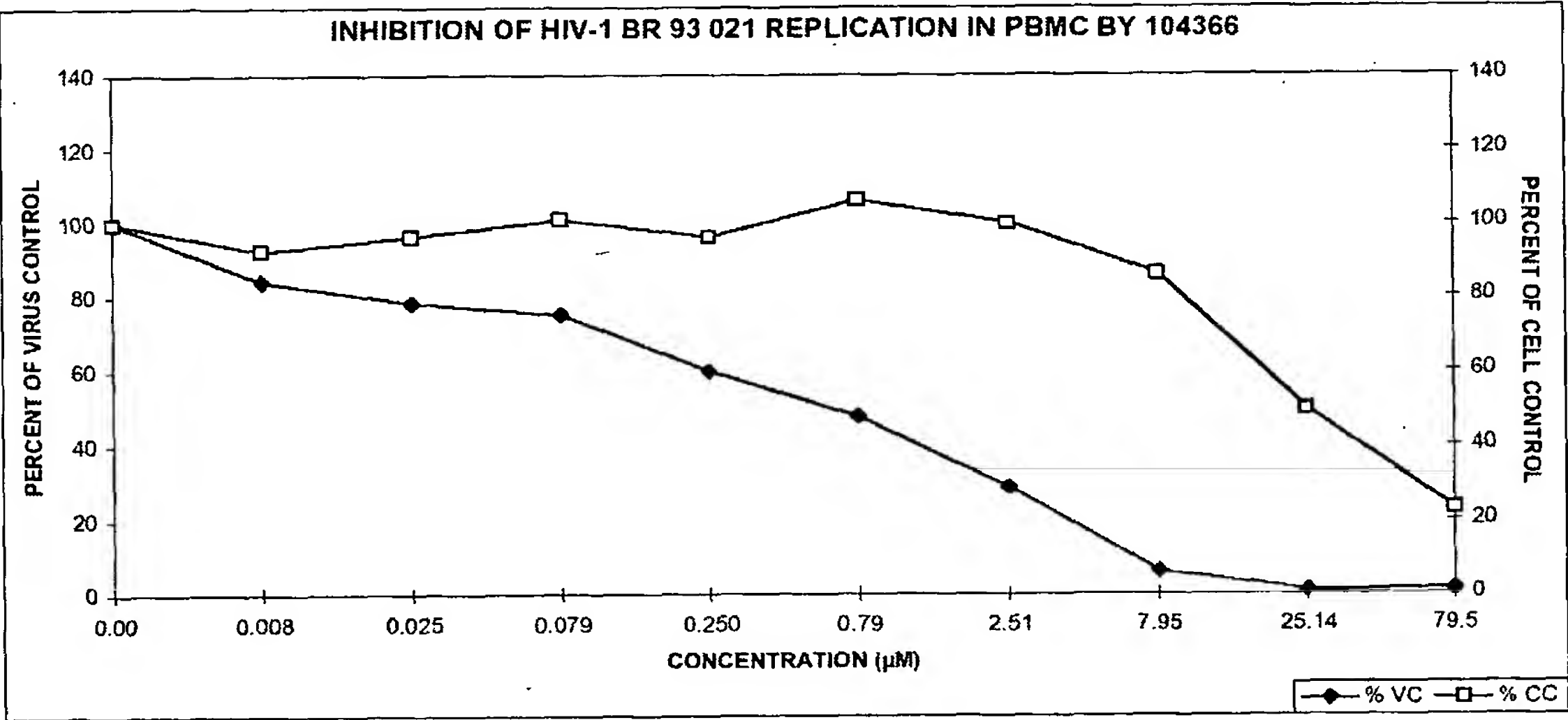


Figure 5

6A



6B



6C

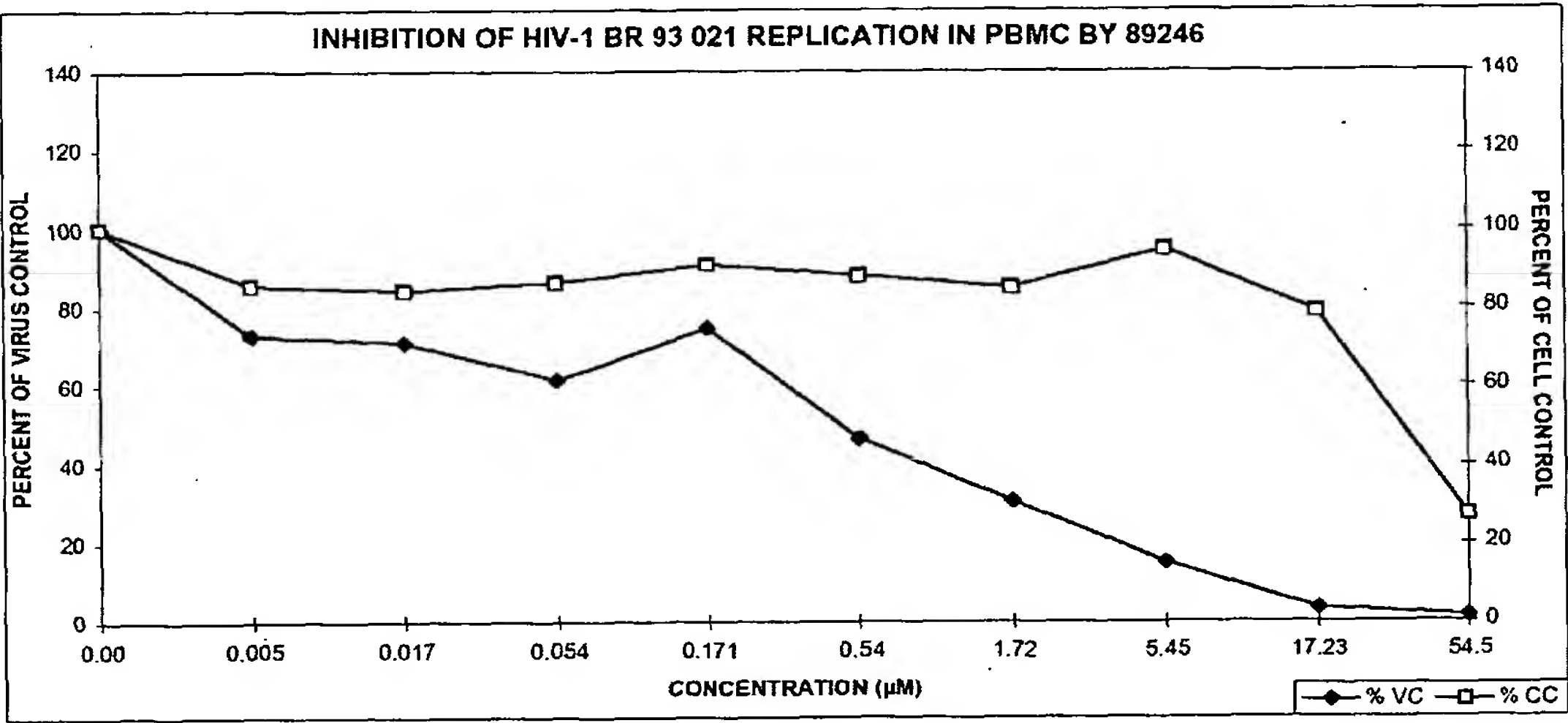
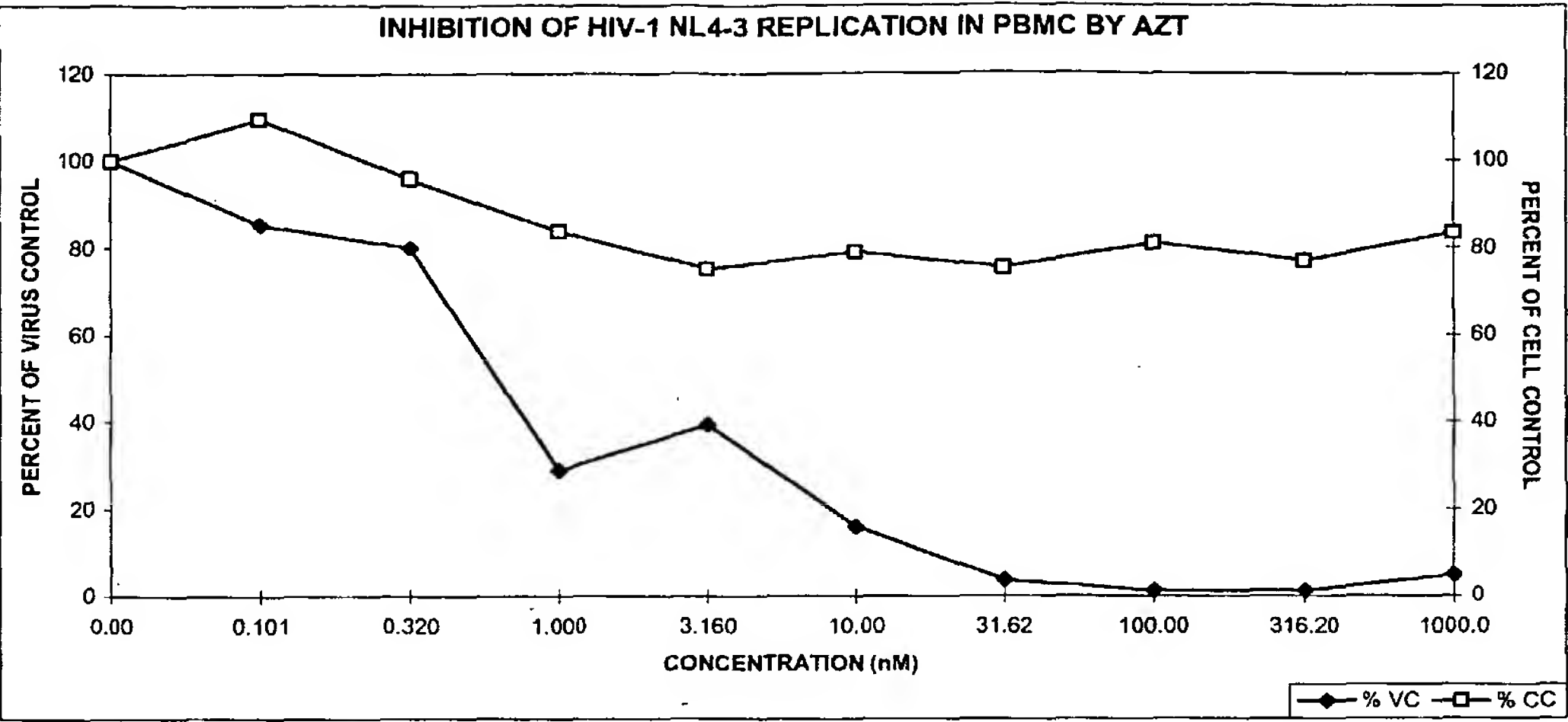
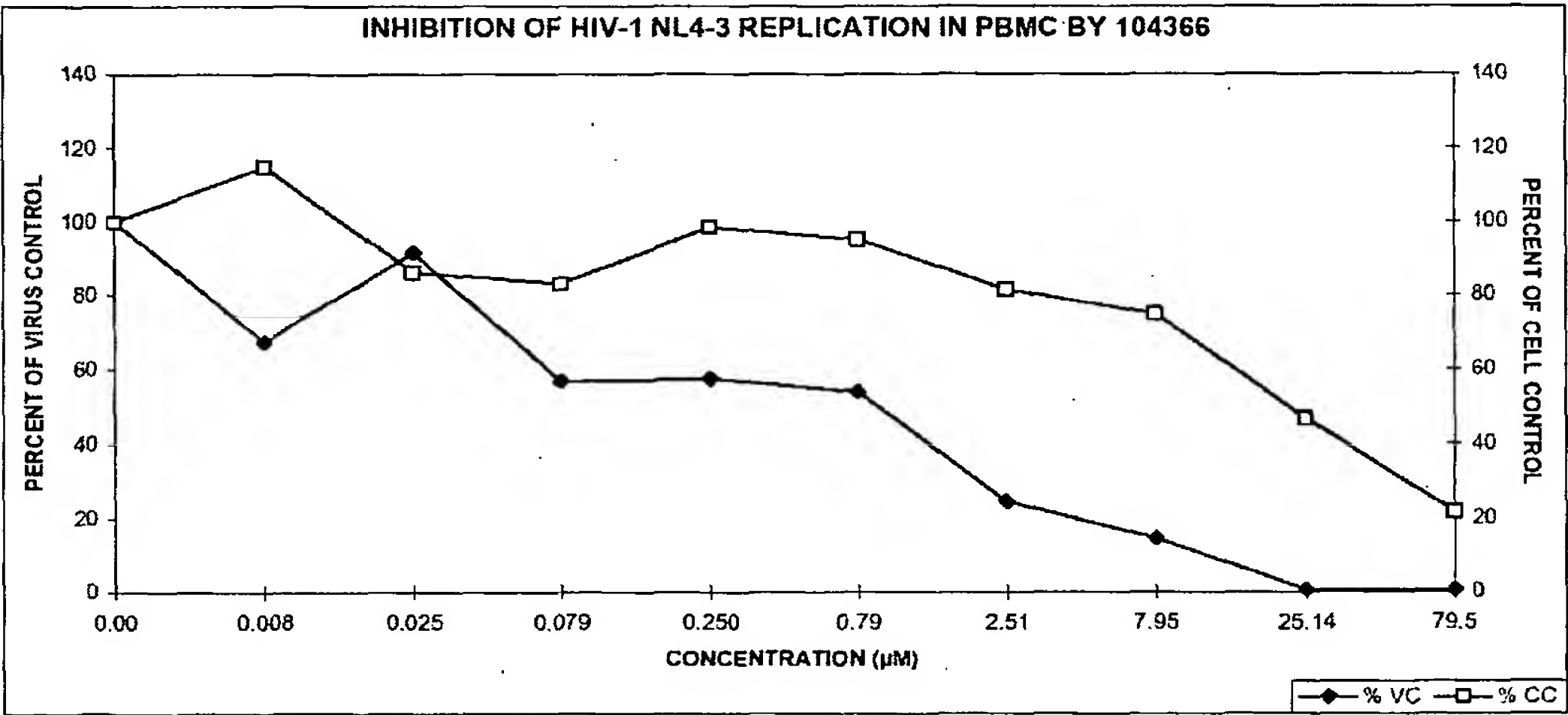


Figure 6

7A



7B



7C

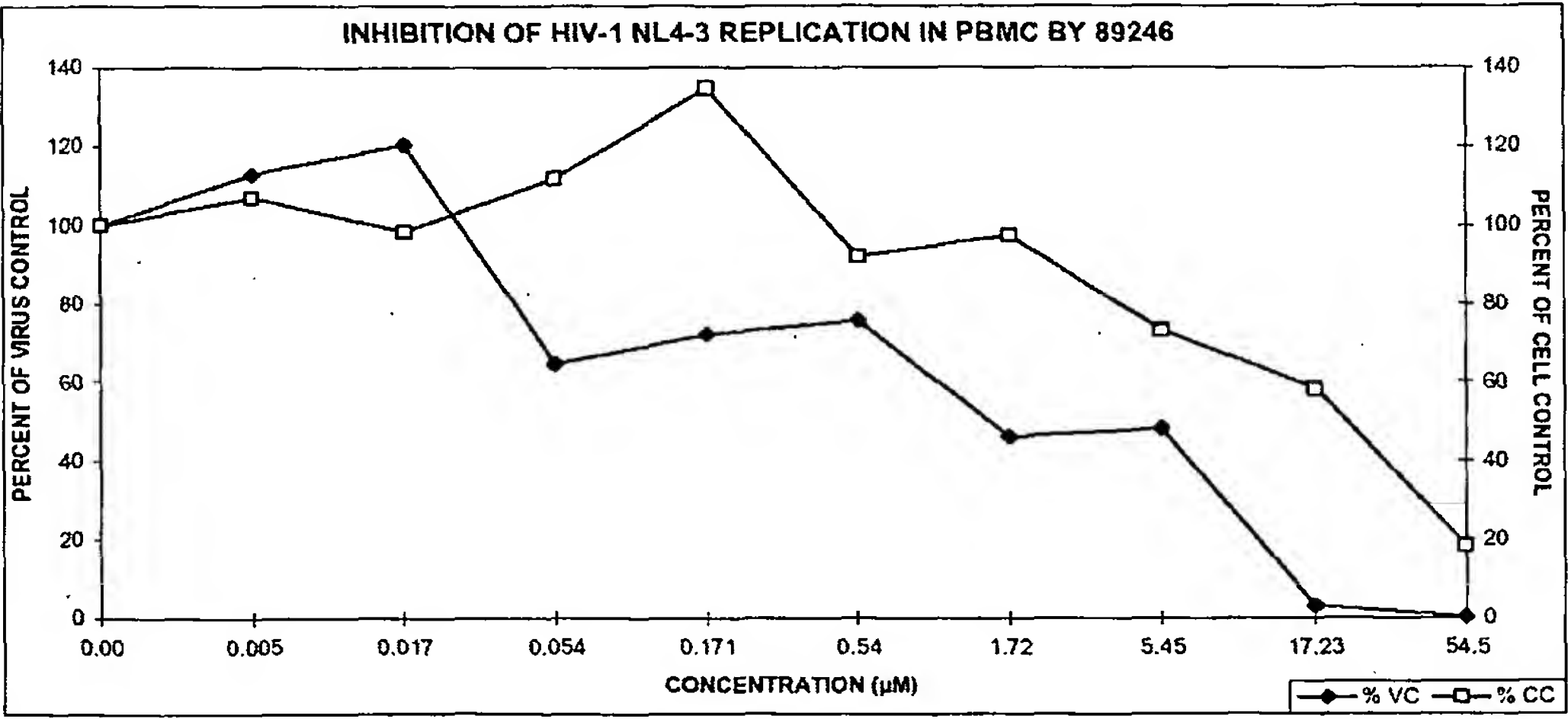
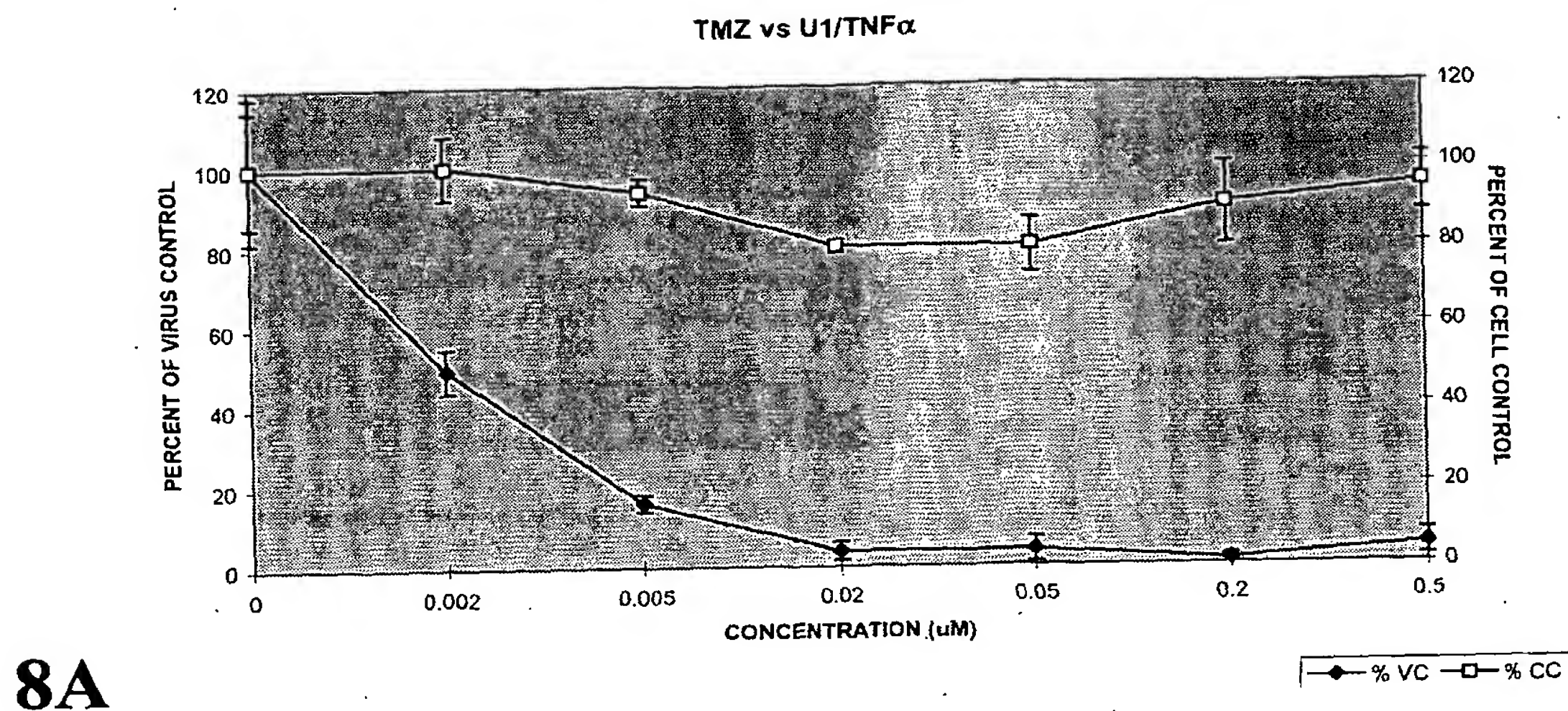
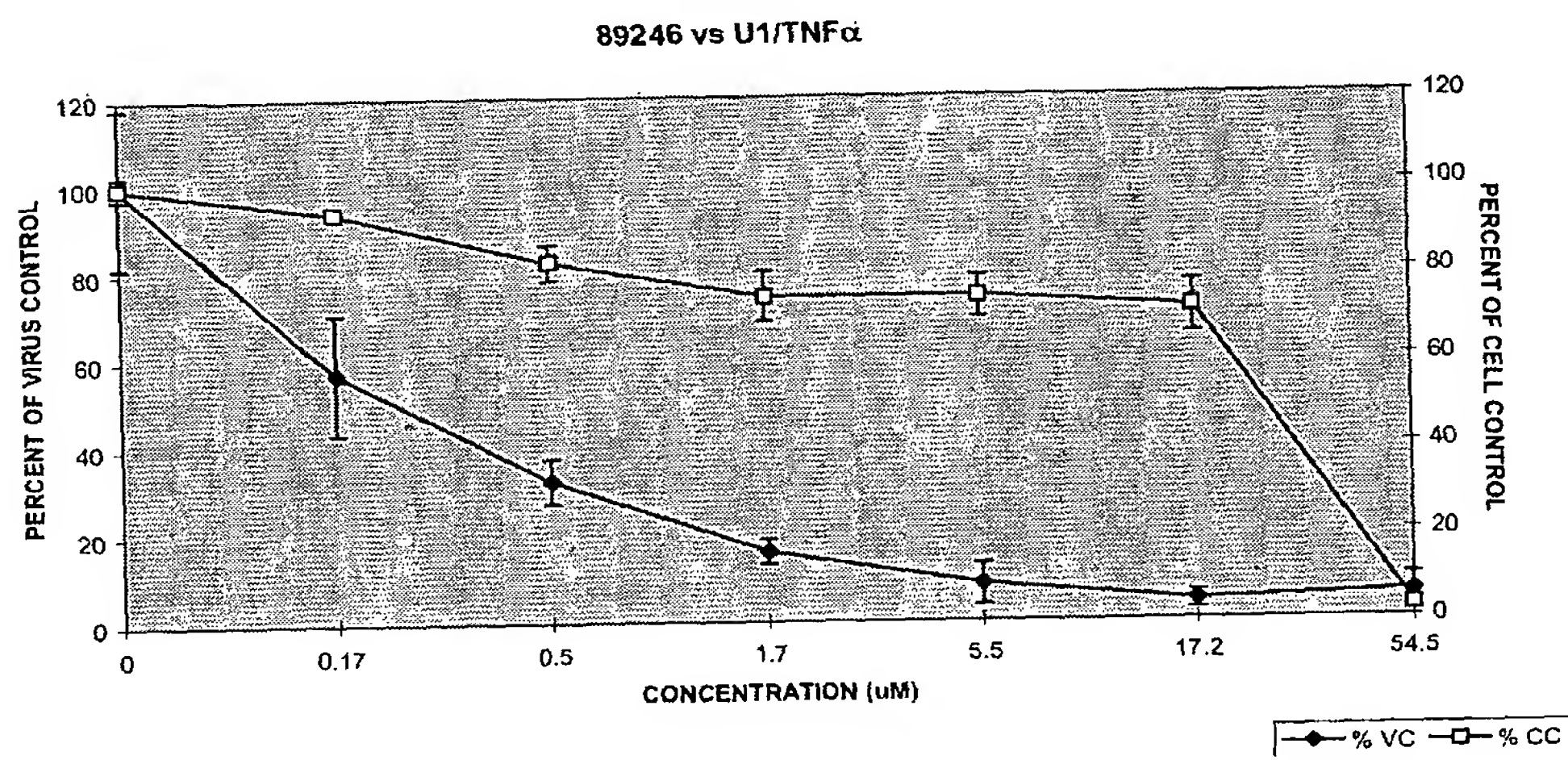


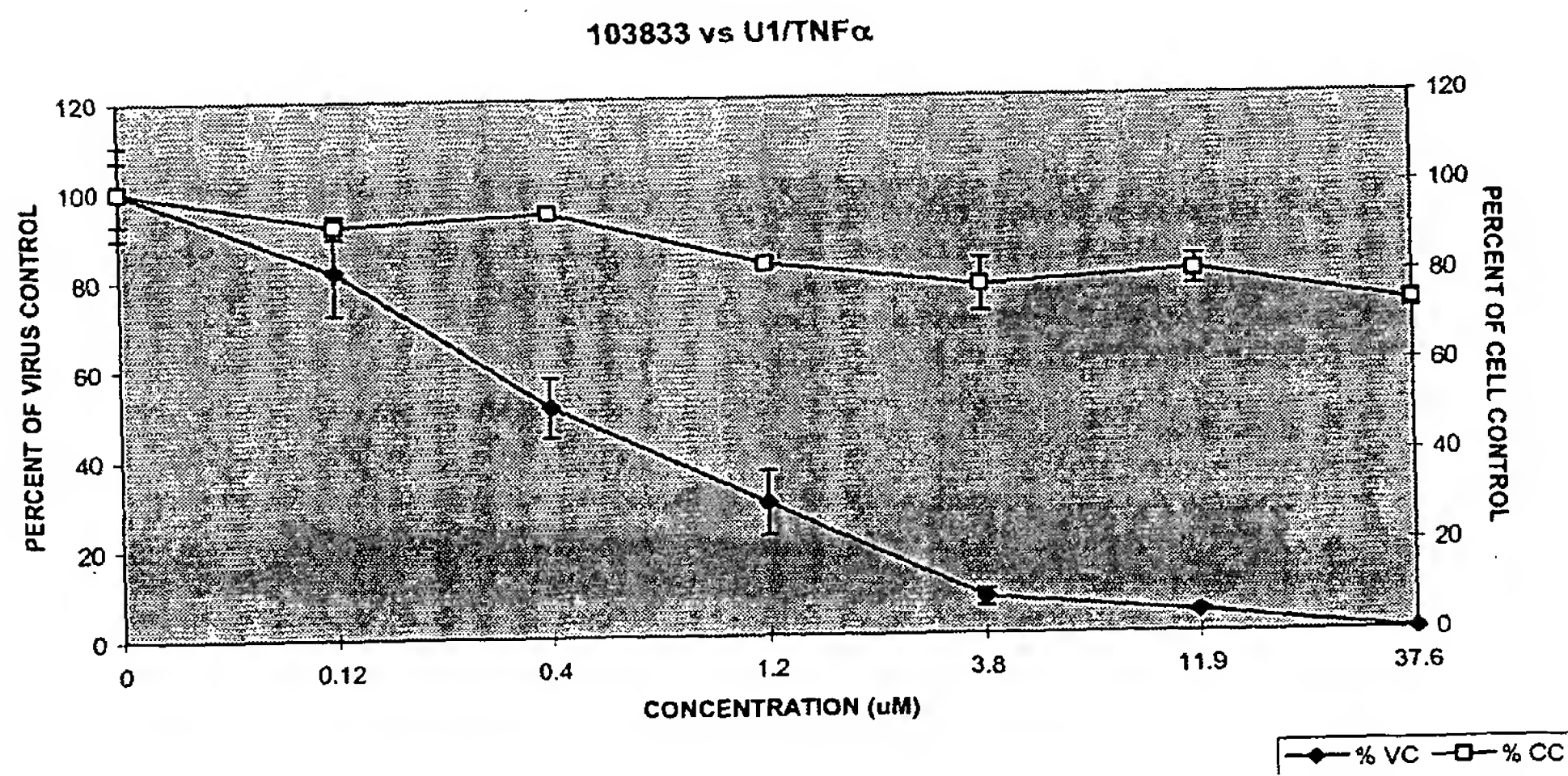
Figure 7



8A



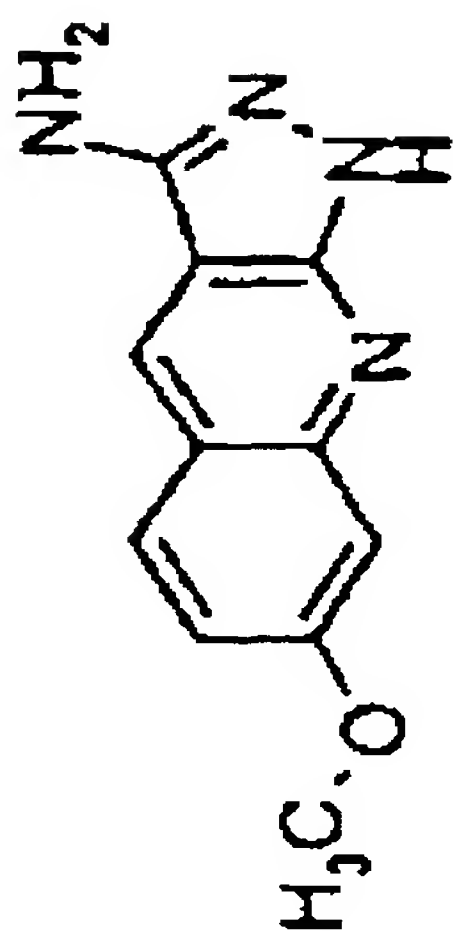
8B



8C

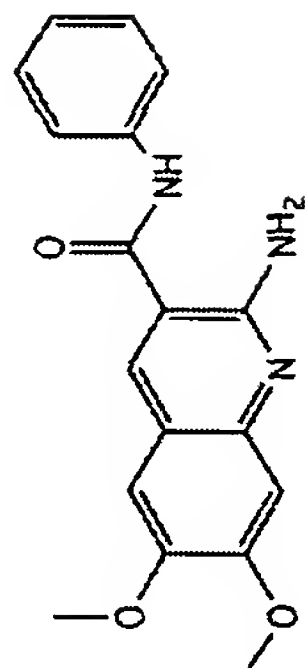
Figure 8

Figure 9
Analogs of 89246

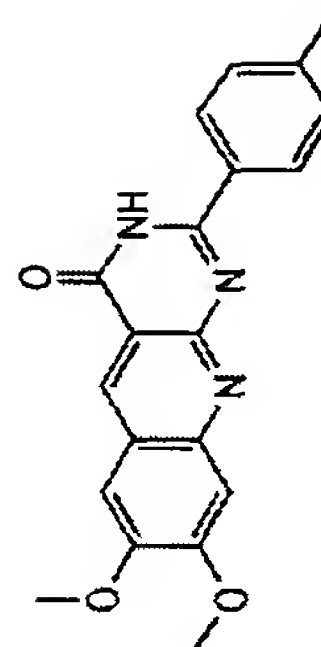


Code Name: 89246
Specs Name: AG-690/40701421
PARENTAL COMPOUND

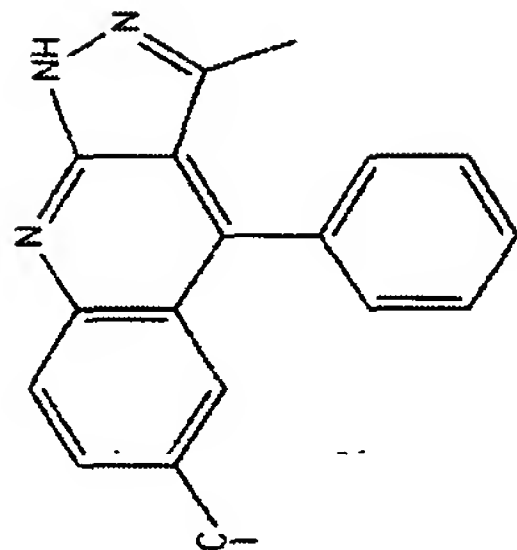
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Code name: 113



Specs name: AG-205/41004335
Code name: 114



Specs name: AH-034/34961017
Code name: 111



Specs name: AH-283/08743005
Code name: 112

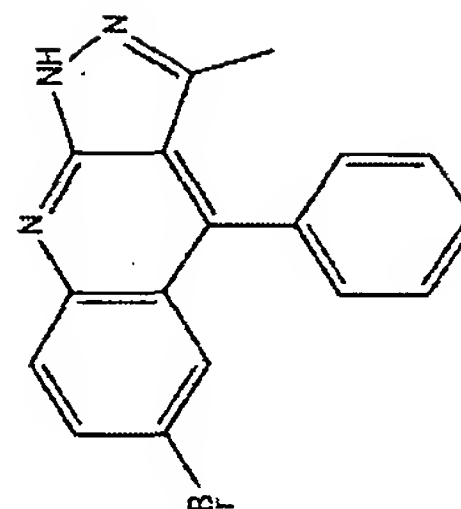
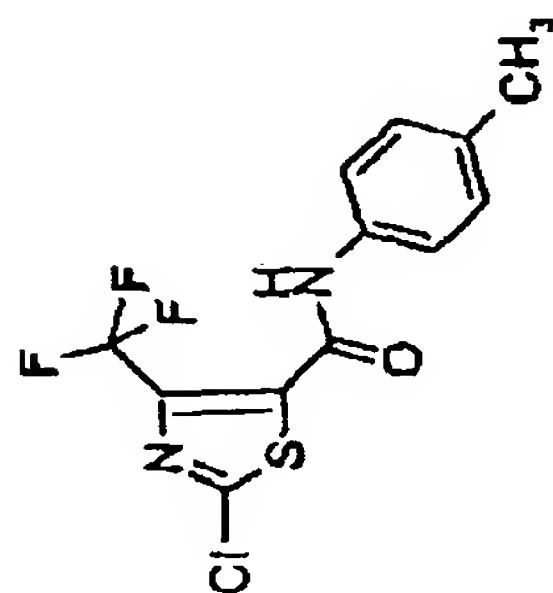


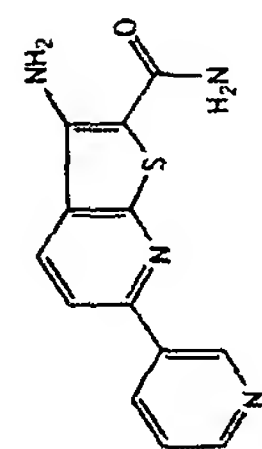
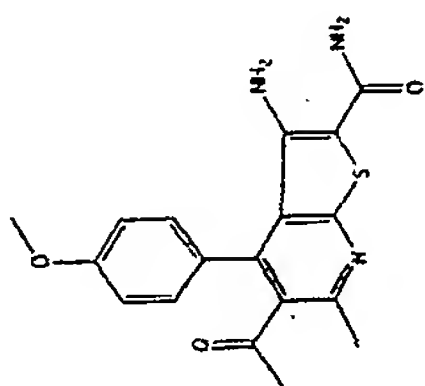
Figure 10
Analogs of 91161



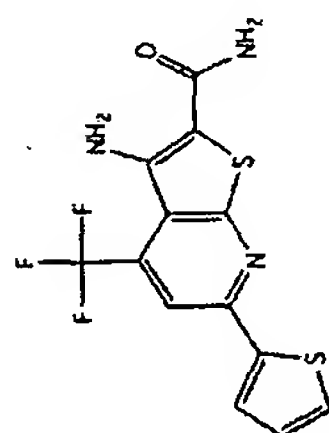
Code Name: 91161
Specs Name: AP-501/40888738
PARENTAL COMPOUND

Specs name: AP-501/40804729	Code: 411	Specs name: AP-501/40804757	Code: 415	Specs name: AP-501/42581233	Code: 419	Specs name: AP-501/42861938	Code: 423
Specs name: AP-501/40804731	Code: 412	Specs name: AP-501/40888735	Code: 416	Specs name: AP-501/42583410	Code: 420	Specs name: AP-501/42861930	Code: 421
Specs name: AP-501/40804735	Code: 413	Specs name: AP-501/40888737	Code: 418	Specs name: AP-501/42861933	Code: 422		

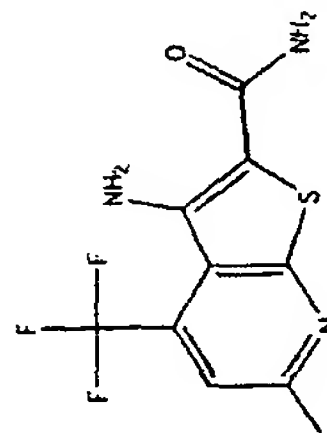
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 AG-205/31312022 **316**



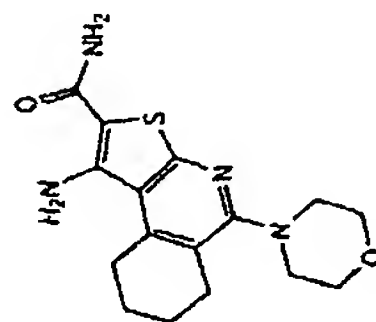
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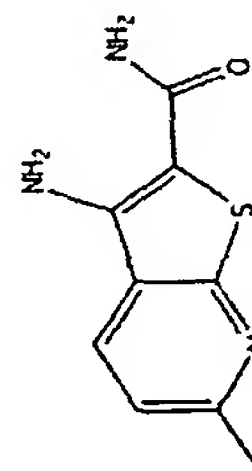
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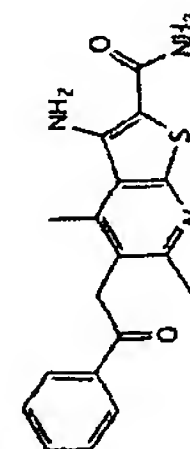
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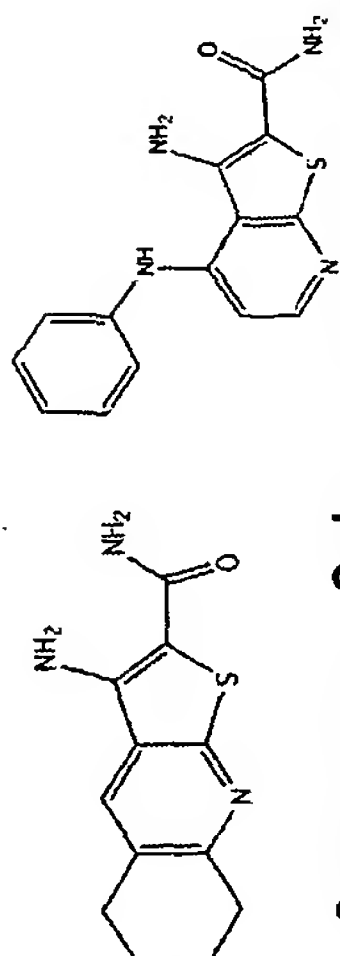
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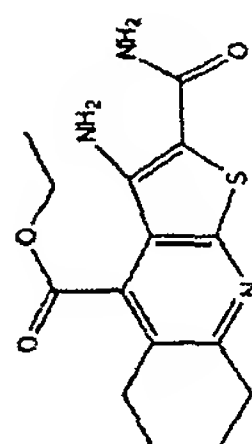
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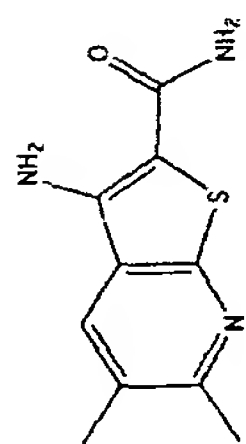
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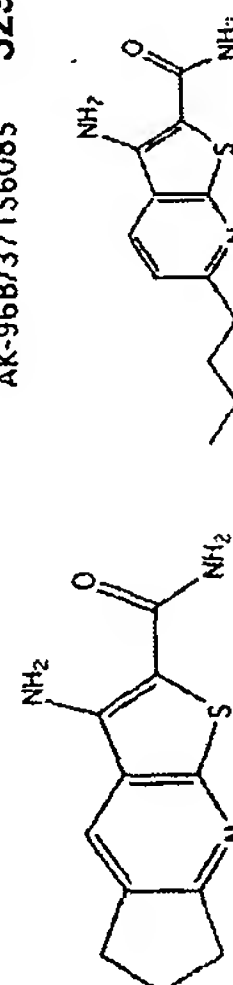
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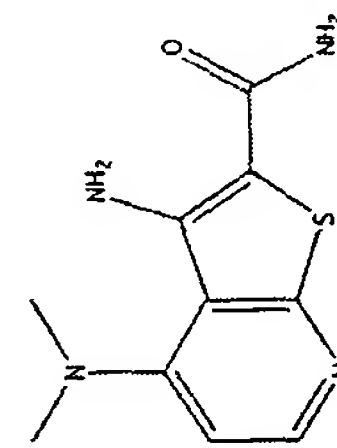
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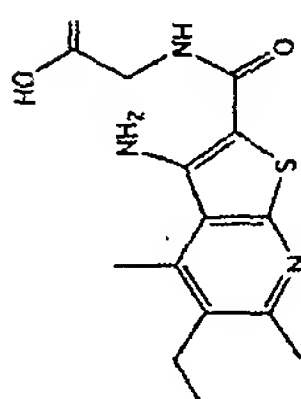
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 AK-968/37156085 **329**



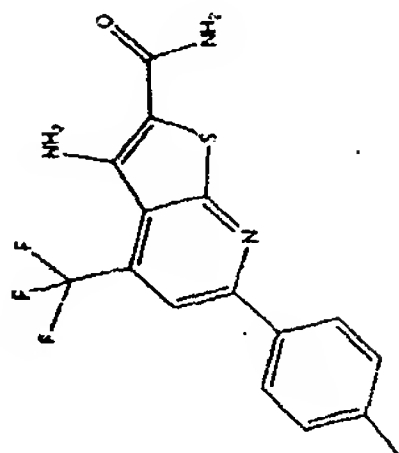
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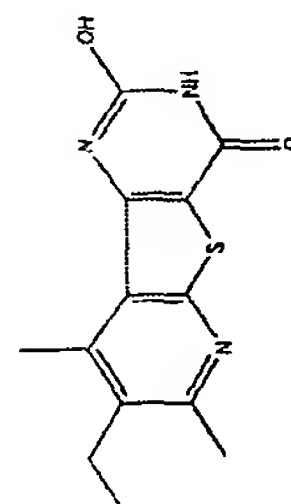
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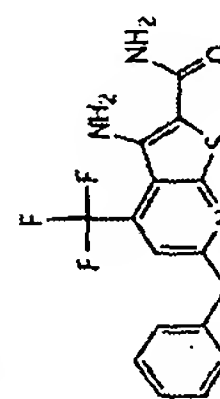
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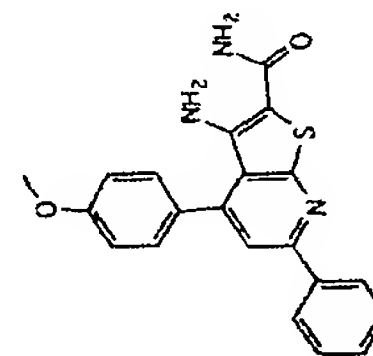
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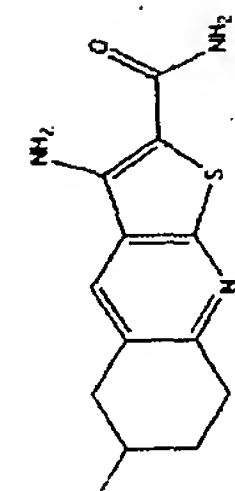
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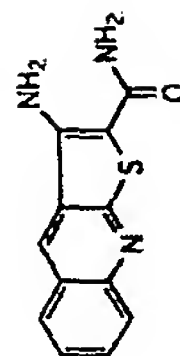
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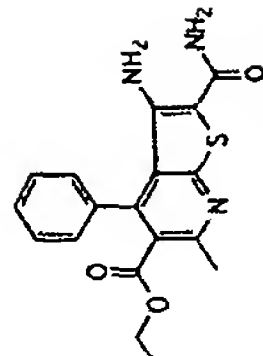
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Specs name: Code:
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Specs name: Code:
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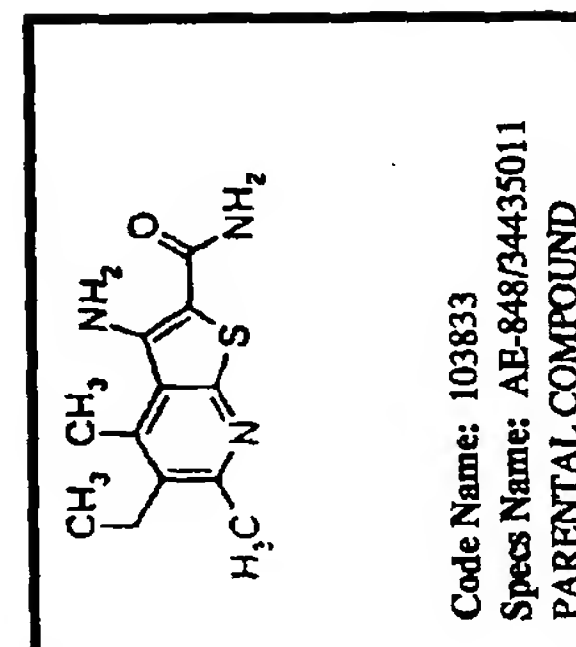
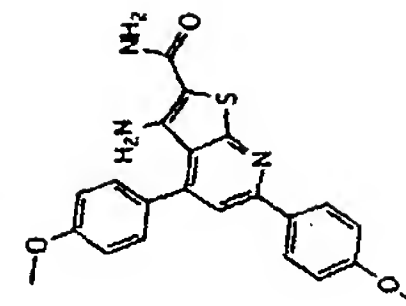
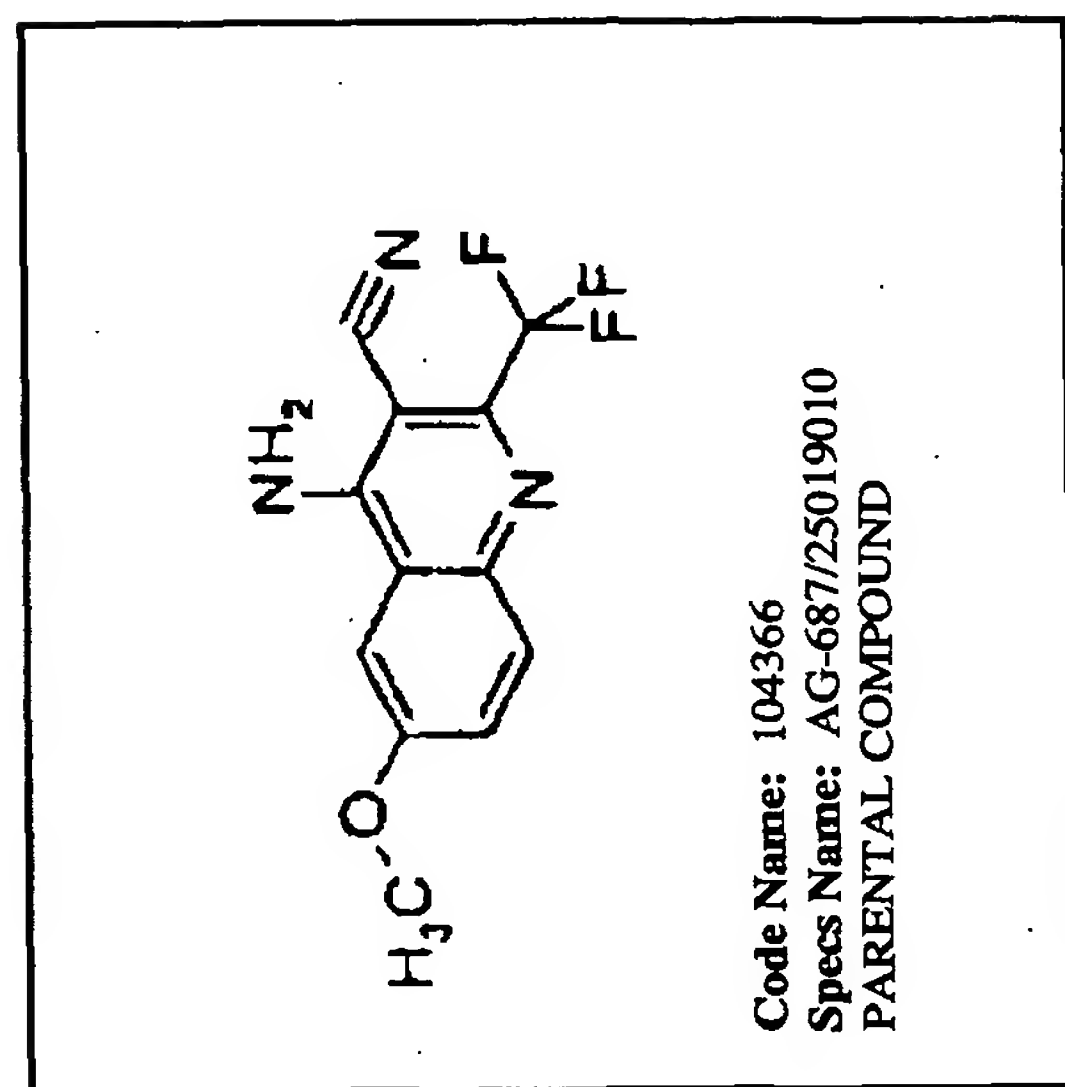
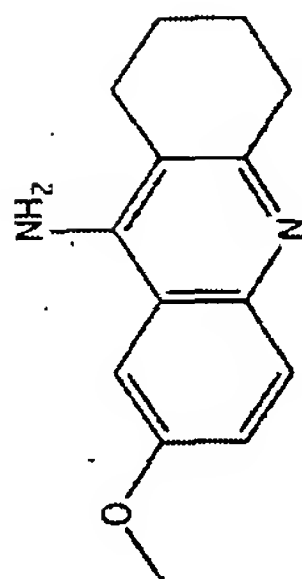


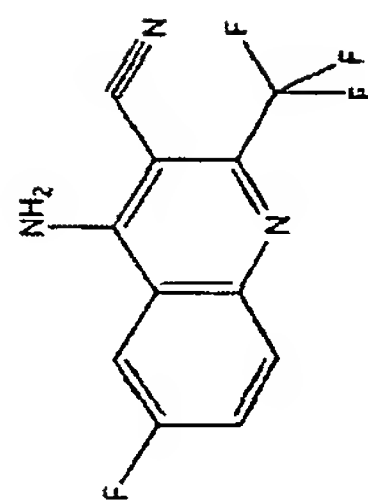
Figure 11
Analogs of 103833



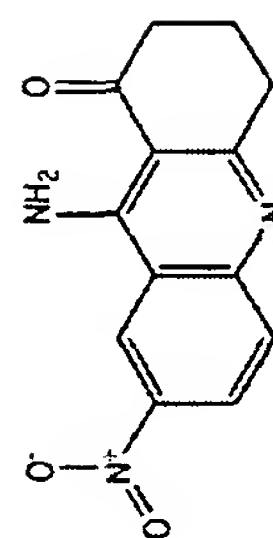
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Code name: 211



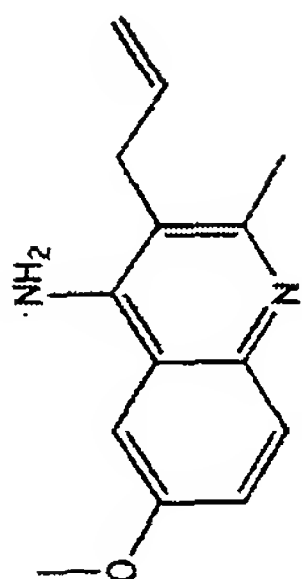
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Code name: 212



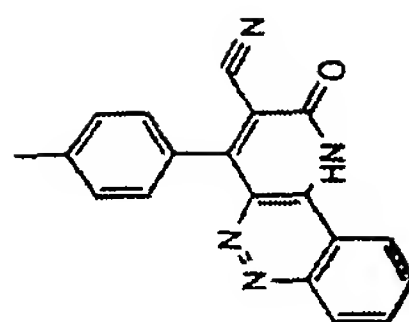
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Specs name: AG-690/34152022
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Specs name: AN-848/40633652
Code name: 215



Specs name: AO-476/40672158
Code name: 216

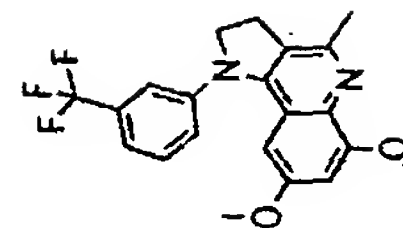
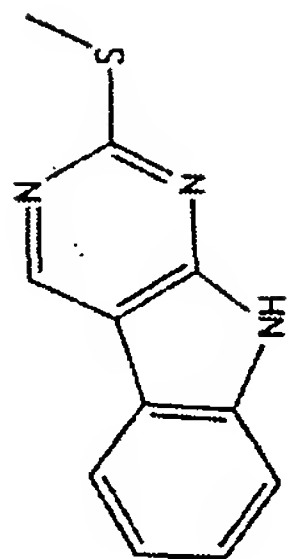
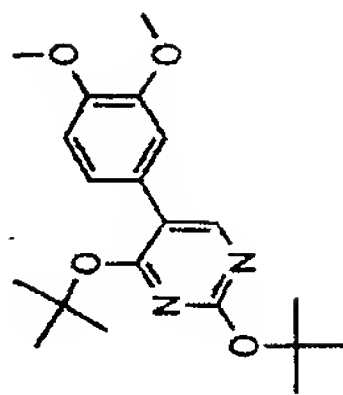


Figure 12
Analogs of 104366

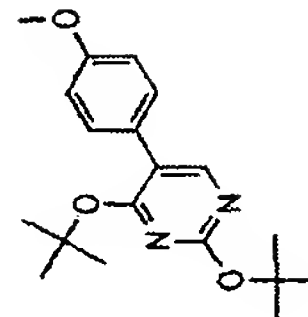
Specs name: Code:
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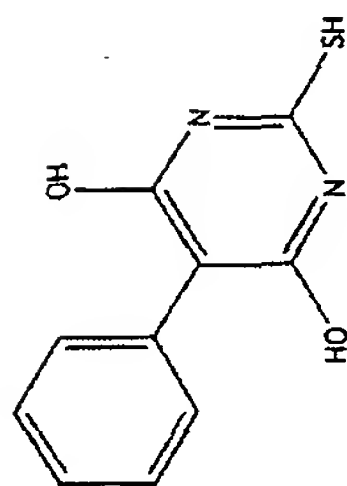
Specs name: Code:
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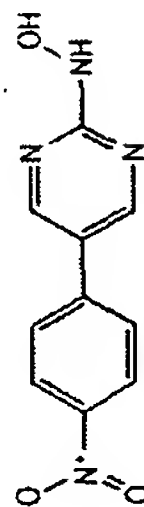
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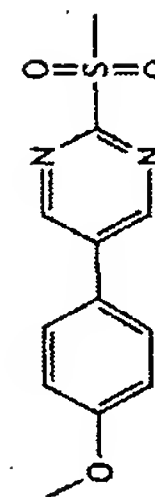
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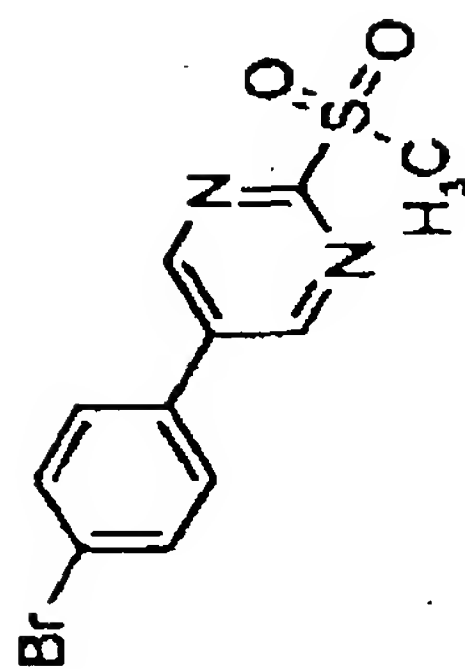
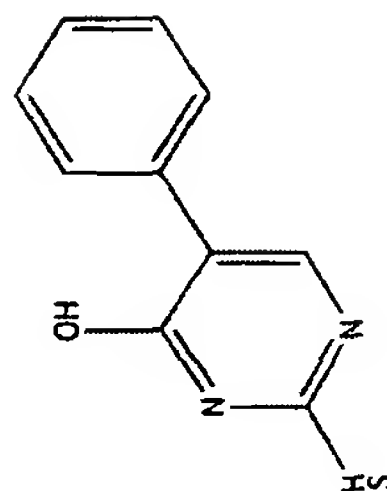
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AE-848/32726016 614



Specs name: Code:
AF-936/31262044 615



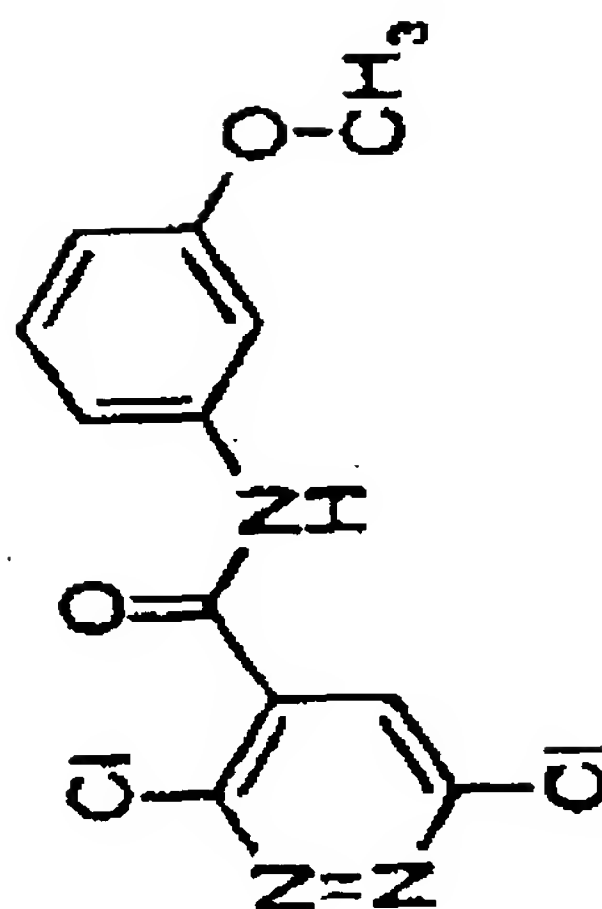
Specs name: Code:
AC-907/30063010 612



Code Name: 107129
Specs Name: AC-907/25005415
PARENTAL COMPOUND

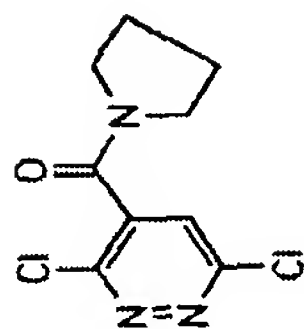
Figure 13
Analogues of 107129

Figure 14
Analogs of 107740

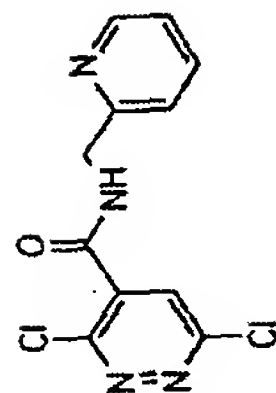


Code Name: 107740
Specs Name: AF-399/40653810
PARENTAL COMPOUND

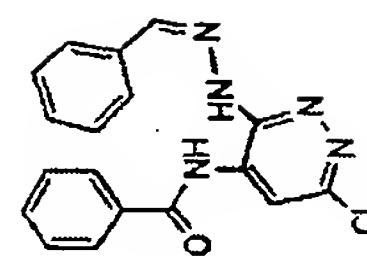
Specs name: AF-399/40653844
Code: 514



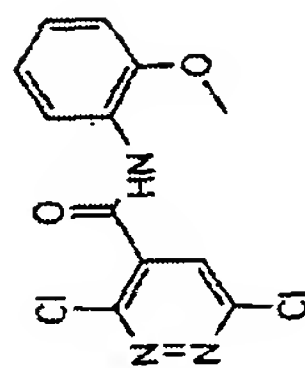
Specs name: AF-399/40653847
Code: 515



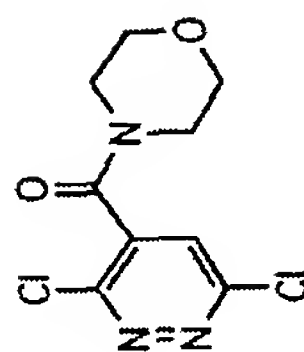
Specs name: AM-944/40947865
Code: 516



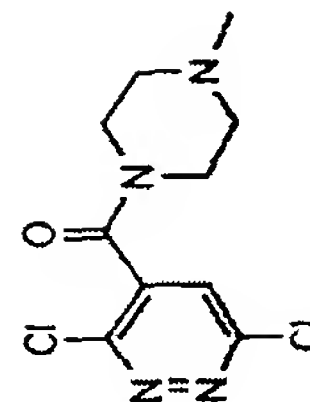
Specs name: AF-399/40653811
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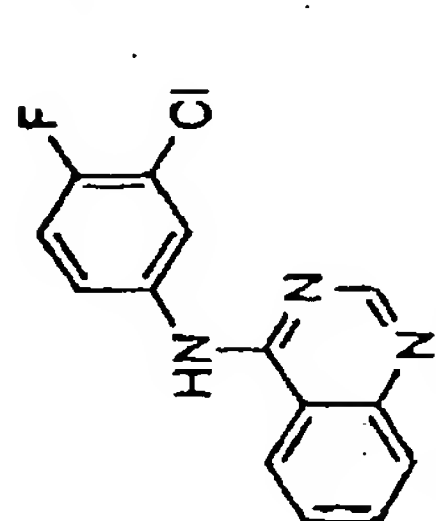


Specs name: AF-399/40653841
Code: 512



Specs name: AF-399/40653842
Code: 513



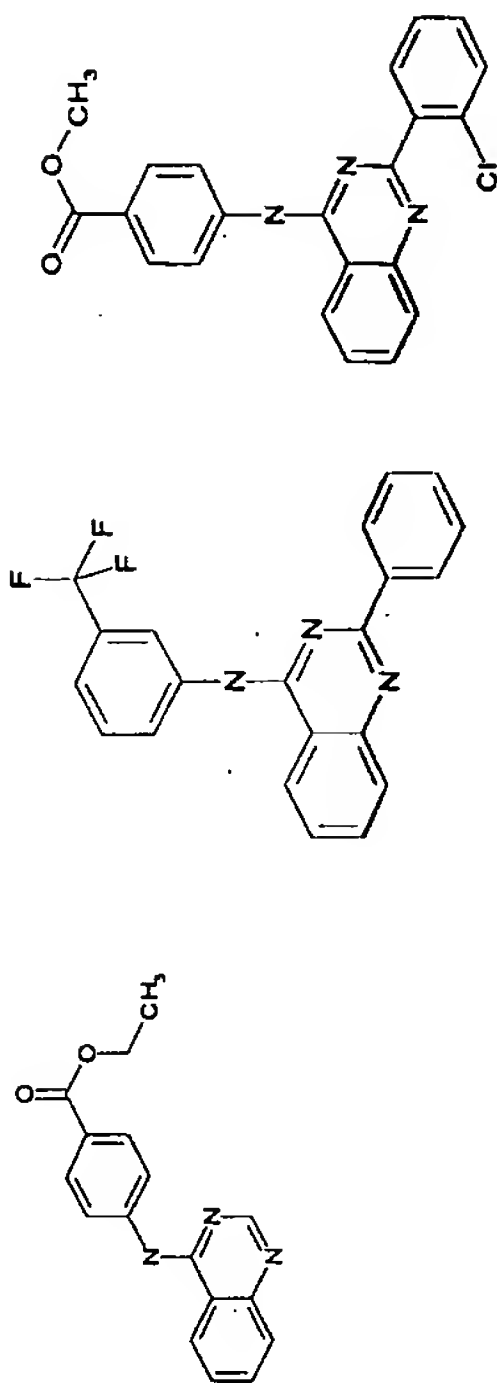


Code name: 109020

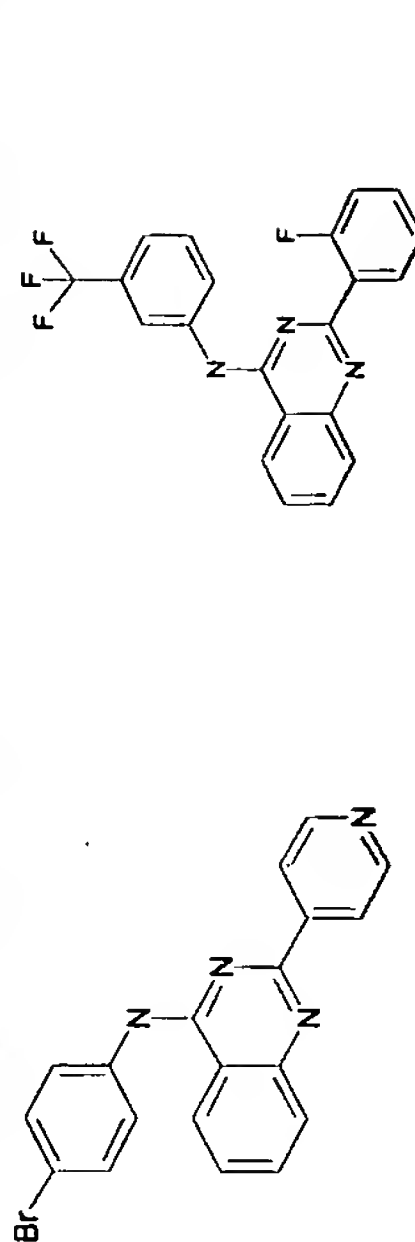
Specs Name: AP-906/41641102

PARENTAL COMPOUND

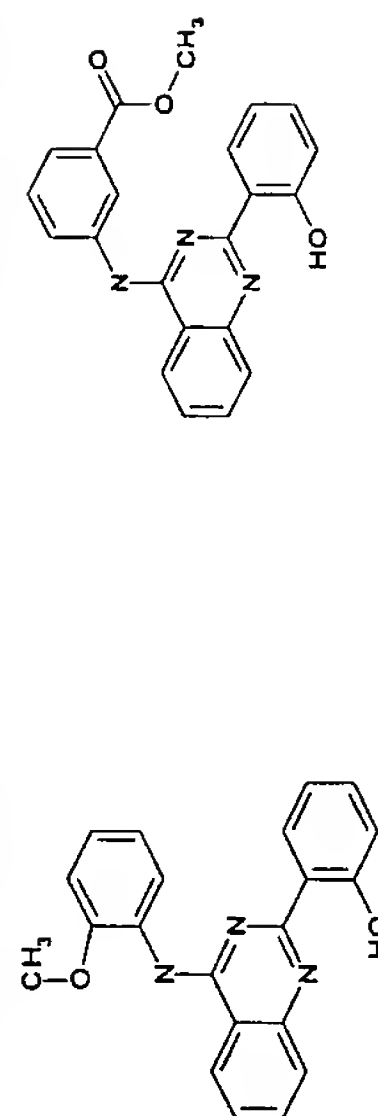
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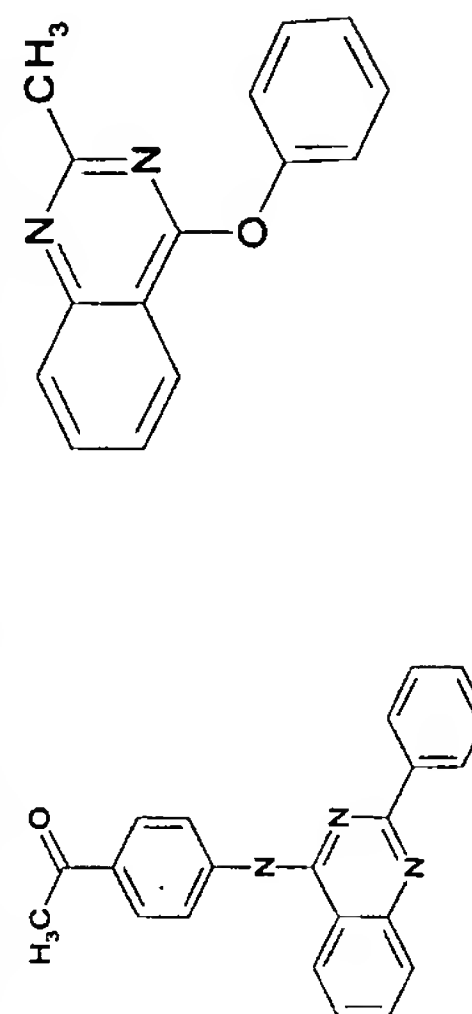
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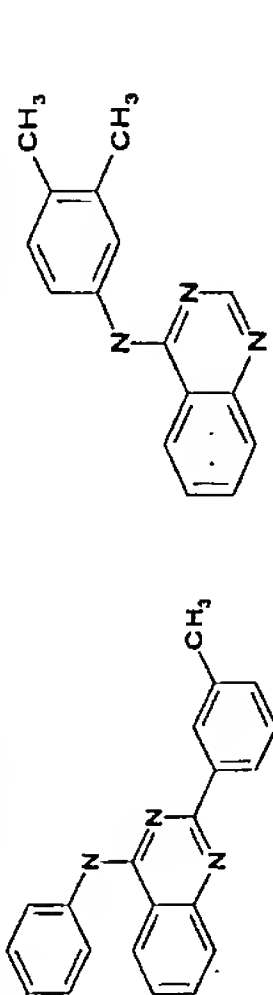
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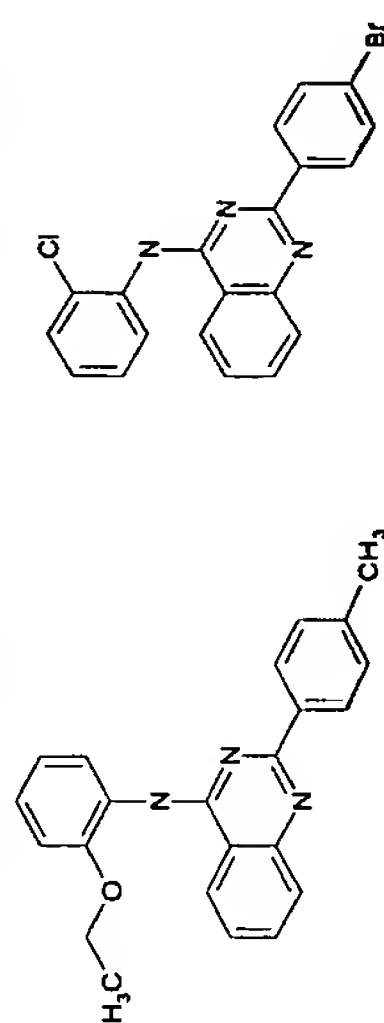
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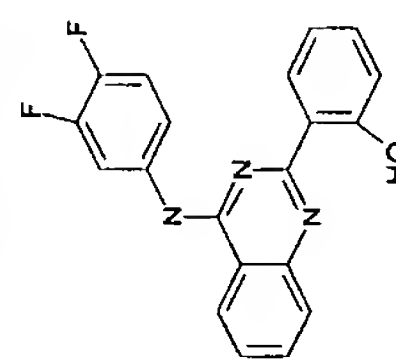
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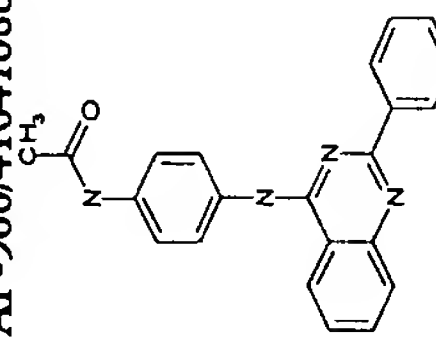
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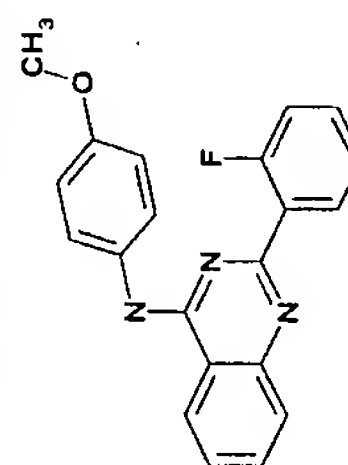
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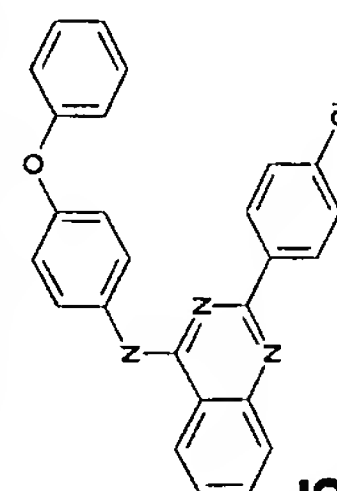


Figure 15
 Analogs of 109020